SAN FRANCISCO

MUNICIPAL REPORTS

FOR THE

FISCAL YEAR 1915-16, ENDED JUNE 30, 1916

PUBLISHED BY ORDER OF THE

BOARD OF SUPERVISORS

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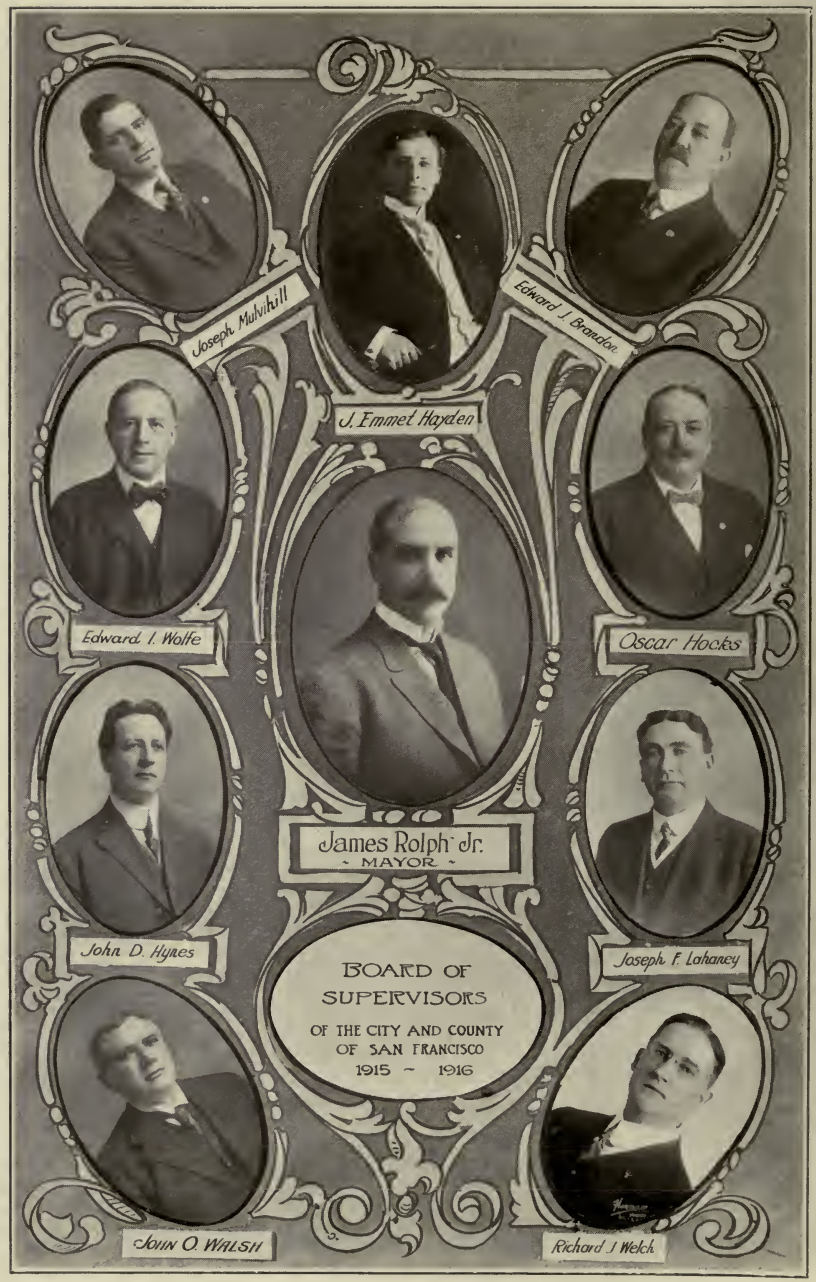
Joseph Mahrhill
Edward J. Brandon
J. Emmet Hayden
Edward I. Wolfe
Oscar Hocks
James Rolph Jr.
~ MAYOR ~
John D. Hynes
Joseph F. Lahaney
BOARD OF
SUPERVISORS
OF THE CITY AND COUNTY
OF SAN FRANCISCO
1915 ~ 1916
JOHN O. WALSH
Richard J. Welch

Edward L. Nolan
JAMES E. POWER
Andrew J. Gallagher
JOHN C. KORTICK
FRED L. HILMER
SEAL OF THE CITY AND COUNTY OF SAN FRANCISCO
FRED SUHR JR.
RALPH Mc LERAN
BOARD OF SUPERVISORS
OF THE CITY AND COUNTY OF SAN FRANCISCO
1915 - 1916
CHARLES A. NELSON
CORNELIUS J. DEASY

Auditor's Report

CITY AND COUNTY OF SAN FRANCISCO, OFFICE OF THE AUDITOR.

January 14, 1917.

Hon. James Rolph, Jr.,
Mayor, City and County of San Francisco.

Dear Sir:

In compliance with Article XVI, Section 9, of the Charter of the City and County of San Francisco, I have the honor to submit herewith the report of the Auditor for the fiscal year ending June 30, 1916.

The report as submitted covers all financial transactions during the said year, and such other information as the Auditor is required by law to include in his statement.

Respectfully submitted,

THOS. F. BOYLE,
Auditor.

AUDITORS OF THE CITY AND COUNTY OF SAN FRANCISCO, AND THE TERM OF THEIR INCUMBENCY FROM 1850 TO 1920.

B. L. Berry 1850
G. A. Hudson 1851
J. W. Stillman 1852
R. Matthewson 1852
S. R. Harris 1853
W. Sherman 1854
A. J. Moulder 1855
F. D. Kohler 1856
E. Mickle 1857-1860
Henry M. Hale 1861-1868
Thos. M. Holt 1869-1870
Monroe Ashbury 1871-1875
G. F. Maynard 1876-1878
Colin M. Boyd 1879
Jno. P. Dunn 1879-1881
Henry Brickwedel 1882
Wm. M. Edgar 1882-1884
Fleet F. Strother 1885-1890
David Stern 1891
Thos. J. L. Smiley 1891-1892
Wm. Broderick 1893-1898
Asa R. Wells 1899-1901
Harry Baehr 1902-1905
S. Horton 1906-1907
John A. Koster 1908-1909
Thos. F. Boyle 1910-1920

LIST OF CITY AND COUNTY OFFICIALS (ELECTIVE)

	Expires
Mayor, James Rolph, Jr., term 4 years	1920
Auditor, Thomas F. Boyle, term 4 years	1920
Assessor, John Ginty, term 4 years	1920
Coroner, Dr. T. B. Leland, term 4 years	1918
County Clerk, Harry I. Mulcrevy, term 4 years	1920
City Attorney, Percy V. Long, term 4 years	1918
District Attorney, Charles M. Fickert, term 4 years	1920
Public Administrator, W. J. Hynes, term 4 years	1918
Recorder, Edmund Godchaux, term 4 years	1918
Sheriff, Thos. F. Finn, term 4 years	1920
Tax Collector, Edward F. Bryant, term 4 years	1918
Treasurer, John E. McDougald, term 4 years	1918

Supervisors—Term 4 years.

Edward J. Brandon	1920
Cornelius J. Deasy	1918
Andrew J. Gallagher	1918
J. Emmet Hayden	1920
John D. Hynes	1920
Fred L. Hilmer	1918
Oscar Hocks	1920
John C. Kortick	1920
Joseph F. Lahaney	1920
Joseph Mulvihill	1920
Ralph McLeren	1918
Charles A. Nelson	1918
Edward L. Nolan	1918
James E. Power	1918
Fred Suhr, Jr.	1918
John O. Walsh	1918
Richard J. Welch	1920
Edward I. Wolfe	1920

Superior Judges.—Term 6 years.

Dept.	1.—J. M. Seawell	1923
	2.—F. J. Murasky	1923
	3.—James M. Trout	1923
	4—J. J. Van Nostrand	1921
	5.—John Hunt	1921
	6.—Frank H. Dunne	1921
	7.—E. P. Mogan	1919
	8.—G. A. Sturtevant	1921
	9.—J. V. Coffey	1919
	10.—Thos. F. Graham	1919
	11.—Franklin A. Griffin	1919
	12.—Geo. H. Cabaniss	1923
	13.—Daniel C. Deasy	1921
	14.—Geo. E. Crothers	1921
	15.—E. P. Shortall	1921
	16—Bernard J. Flood	1921

Police Judges—Term 4 years.

Dept.	1.—T. I. Fitzpatrick	1920
	2.—John J. Sullivan	1918
	3.—Matthew Brady	1918
	4.—Morris Oppenheim	1920

Justices of the Peace—Term 4 years.

Dept.	1.—A. F. Barnett	1919
	2.—Chas. A. A. Creighton	1919
	3.—James G. Conlan	1919
	4.—Frank J. Deasy	1919
	5.—M. J. Roche	1919

LIST OF COMMISSIONERS FOR THE CITY AND COUNTY AND EXPIRATION OF THEIR TERM OF OFFICE

CIVIL SERVICE COMMISSION

B. B. Rosenthal ..... Term expires July 1, 1917
E. A. Walcott ..... Term expires July 1, 1919
John J. O'Toole ..... Term expires July 1, 1921

BOARD OF EDUCATION

Miss Sallie J. Jones ..... Term expires Jan. 8, 1919
Geo. E. Gallagher ..... Term expires Jan. 8, 1920
A. A. D'Ancona ..... Term expires Jan. 8, 1918
Agnes G. Regan ..... Term expires Jan. 8, 1921

DEPARTMENT OF ELECTIONS

C. J. Collins ..... Term expires Jan. 8, 1920
Thos. V. Cator ..... Term expires Jan. 8, 1919
J. K. Prior, Jr. ..... Term expires Jan. 8, 1918
William McDevitt ..... Term expires Jan. 8, 1920
John Herman ..... Term expires Jan. 8, 1921

BOARD OF FIRE COMMISSIONERS

John T. Fogarty ..... Term expires Jan. 8, 1918
John F. Davis ..... Term expires Jan. 8, 1920
T. R. Herring ..... Term expires Jan. 8, 1919
F. C. Sykes ..... Term expires Jan. 8, 1921

PLAYGROUND COMMISSION

Rev. D. O. Crowley ..... Term expires Jan. 8, 1920
John McLaren ..... Term expires Jan. 8, 1920
Marshall Hale ..... Term expires Jan. 8, 1920
Mrs. M. S. Hayward ..... Term expires Jan. 8, 1920
Miss Agnes G. Regan ..... Term expires Jan. 8, 1920
Geo. E. Gallagher ..... Term expires Jan. 8, 1920
Angelo J. Rossi ..... Term expires Jan. 8, 1920

PARK COMMISSIONERS

John A. McGregor ..... Term expires Jan. 8, 1921
Earl M. Cummings ..... Term expires Jan. 8, 1918
Curtis H. Lindley ..... Term expires Jan. 8, 1920
A. B. Spreckels ..... Term expires Jan. 8, 1920
Sigmund Greenbaum ..... Term expires Jan. 8, 1919

BOARD OF POLICE COMMISSIONERS

James Woods ..... Term expires Jan. 8, 1921
Theodore J. Roche ..... Term expires Jan. 8, 1919
Jesse B. Cook ..... Term expires Jan. 8, 1920
Thos. E. Shumate ..... Term expires Jan. 8, 1918

BOARD OF PUBLIC WORKS

Timothy A. Reardon ..... Term expires Jan. 8, 1919
Daniel G. Fraser ..... Term expires Jan. 8, 1918
Adolph Judell ..... Term expires Jan. 8, 1920

DEPARTMENT OF PUBLIC HEALTH

Dr. A. P. O'Brien ..... Term expires Dec. 23, 1920
Guy E. Manning, M. D. ..... Term expires Dec. 23, 1921
L. A. Arnstein ..... Term expires Dec. 23, 1922
Geo. B. Somers, M. D. ..... Term expires Dec. 23, 1923
Frank J. Klimm ..... Term expires Dec. 23, 1917
Arthur M. Sharp ..... Term expires Dec. 23, 1918
Arthur H. Barendt ..... Term expires Dec. 23, 1919

STATEMENT OF AUDITS REGISTERED AGAINST ALL FUNDS AND APPROPRIATIONS AND CLASSIFIED WITHIN GENERAL GROUPS ACCORDING TO GOVERNMENTAL FUNCTIONS AND GENERAL PURPOSES FOR 1915-1916, ALSO INCLUDING THE AMOUNTS AUDITED DURING THE CORRESPONDING PERIOD OF 1915.

GENERAL GOVERNMENT.

	1914-1915		1915-1916	
Assessor's Department:				
Salaries	$ 98,924.92		$ 99,716.47	
Expense	7,333.80		8,084.83	
Outlay	4,220.40	$ 110,879.12		$ 107,801.30
Auditor's Department:				
Salaries	32,020.00		32,020.00	
Expense	2,718.06		3,216.22	
Outlay	197.00	34,935.06		35,236.22
Assessment Roll:				
Salaries	5,000.00	5,000.00	7,000.00	7,000.00
Civil Service Department:				
Salaries	19,816.16		20,261.54	
Expense	2,592.40		2,157.35	
Outlay	443.58	22,852.14	.522.35	22,941.24
Board of Supervisors:				
Salaries	88,290.00		88,372.98	
Expense	31,001.26		28,636.45	
Printing Municipal Reports	2,195.56		4,552.33	
Printing Records and Documents	13,937.62		17,024.79	

Gasoline for Automobiles	4,359.92		3,302.33	141,888.88
Investigating Water, Gas and Telephone Rate	818.30	140,602.66		
Coroner's Department:				
Salaries	23,979.96		24,270.96	
Expense	2,988.46		2,672.12	
Outlay	3,140.28	30,108.70		26,943.08
Department of Elections:				
Salaries, Administrative	22,400.00		26,000.00	
Salaries, Election Clerks, etc.	139,958.60		183,913.20	
Expense	62,569.51		64,987.35	
Outlay	10,113.62	235,041.73	15,023.41	289,923.96
Mayor's Office:				
Salaries	17,479.17		17,520.00	
Expense	6,311.66		6,589.25	
Outlay	424.87	24,215.70	75.65	24,184.90
Tax Collector's Department:				
Salaries, Administrative	65,880.66		67,894.03	
Expense	12,853.42		6,300.00	
Outlay	514.50			
Salaries, Twin Peaks Tunnel Account	2,440.00	81,688.58	4,475.10	78,669.50
Treasurer's Office:				
Salaries	27,099.96		27,699.96	
Expense	1,706.12		2,781.67	
Outlay	294.78	30,100.86		30,481.63

STATEMENT OF AUDITS REGISTERED AGAINST ALL FUNDS AND APPROPRIATIONS—Continued

GENERAL GOVERNMENT—Continued

	1914-1915		1915-1916	
Board of Public Works:				
Salaries and Wages (Administrative)	183,729.60	183,729.60	207,469.75	207,469.75
Repairs to Buildings	11,315.80		16,832.22	
Rent of Premises	63,000.00		62,962.94	
Water for Public Buildings	23,335.20		25,000.00	
Lighting Public Buildings	46,087.72		45,931.35	
Furniture Public Buildings (Outlays)			162,424.30	
General Maintenance:				
Transportation	13,277.34		14,185.00	
Expense	38,006.32		38,956.19	
Outlay	7,225.67	202,268.05	4,043.13	370,337.13
Civic Auditorium:				
Salaries			7,954.50	
Expense			6,956.86	
Outlay			278.40	15,189.76
Civic Center Power House:				
Salaries			2,581.61	2,581.61
Photostat Department:				
Salaries	2,523.35		1,073.75	
Outlays	2,273.01	4,796.36	5,007.18	6,080.93
Legal Department:				
Justices' Court:				
Salaries	28,800.00		32,764.55	
Expense	1,047.72		1,156.44	
Outlay	245.25	30,092.97		33,922.99

Police Courts:				
Salaries	24,000.00		24,000.00	
Expense	111.78	24,111.78	357.27	
Outlay			232.60	24,589.77
Superior Court:				
Salaries	71,552.16		70,845.90	
Expense	2,040.52		4,747.64	
Outlay	4,217.04			
Interpreters	9,617.50		9,600.00	
Printing Law and Motion Calendar	4,400.00		4,000.00	
Examination of Insane	11,485.00		11,050.00	
Care of Criminal Insane	2,912.16		3,008.00	
Grand Jury—Court Orders and Expense	2,927.15		11,410.82	
Jury Fees and Witness Expense	23,886.80	113,038.33	30,122.80	145,585.16
County Clerk, Department of:				
Salaries	107,499.96		107,799.96	
Expense	5,010.80	113,310.76	7,312.47	115,112.43
City Attorney's Department:				
Salaries	36,124.92		36,199.92	
Expense of Litigation	17,907.79		10,960.00	
Outlays	1,140.64			
Office Maintenance		55,173.35	620.23	47,780.15
District Attorney:				
Salaries	58,699.92		58,699.92	
Expense	9,883.92	68,583.84	7,468.55	66,168.47

STATEMENT OF AUDITS REGISTERED AGAINST ALL FUNDS AND APPROPRIATIONS—Continued

GENERAL GOVERNMENT—Continued

	1914-1915		1915-1916	
Legal Department—Continued				
Law Library:				
Salaries	4,800.00		4,800.00	
Expense	193.43	4,993.43	270.74	5,040.74
Sheriff's Department:				
Salaries	118,734.32		118,069.48	
Expense Office and Jails	4,847.25		10,639.81	
Outlay	5,211.91		5,173.19	
Maintenance of Prisoners	45,848.74	174,642.22	41,507.14	175,389.62
Total General Government		$ 1,710,165.24		$ 1,980,319.22

PROTECTION TO PERSON AND PROPERTY.

	1914-1915		1915-1916	
Bureau of Building Inspection:				
Salaries of Inspectors	32,884.85	32,884.85	33,664.75	33,664.75
Board of Censors (Secretary)	614.40	614.40	375.00	375.00
Sealer of Weights and Measures:				
Salaries	9,600.00		9,820.00	
Expense	1,887.76		911.73	
Outlay		11,487.76	1,487.20	12,218.93
Maintenance Public Pound	8,778.80	8,778.80	11,308.60	11,308.60
Accident Insurance:				
Compensation for Injuries of Employees	3,376.35	3,376.35	5,604.33	5,604.33

Public Administrator:				
Expense	448.94	448.94	800.22	800.22
Horticultural Inspector:				
Inspections			1,637.70	1,637.70
Recorder's Department:				
Salaries	62,899.02		62,420.96	
Expense	2,562.52		2,209.28	
Outlays	606.27	66,067.81	1,096.50	65,726.74
Department of Electricity:				
Salaries	92,387.85		96,882.41	
Expense	7,912.96		6,939.00	
Outlay	29,523.49	129,824.30	17,457.20	121,278.61
Central Fire Alarm Station	77,404.79	77,404.79	887.00	887.00
Fire Department:				
Salaries	1,332,918.60		1,344,211.05	
Expense for Maintenance	113,451.01		119,225.86	
Expense, Repairs and Alterations	19,661.45		18,504.00	
Outlays	199,549.77		189,105.15	
Water for Hydrants, etc.	141,607.53		139,668.18	
Auxiliary and Distributing System	35,568.80	1,842,757.16	35,611.85	1,846,326.09
Police Department:				
Salaries	1,475,121.25		1,476,117.31	
Expense for Maintenance	44,530.56		45,657.82	
Subsistence of Prisoners	7,921.74		8,207.67	
Repairs and Alterations	6,459.15		6,498.72	
Outlays	7,818.43	1,541,851.13	10,754.33	1,547,235.85
Total Protection to Person and Property		$ 3,715,496.29		$ 3,647,063.82

STATEMENT OF AUDITS REGISTERED AGAINST ALL FUNDS AND APPROPRIATIONS—Continued

CONSERVATION OF HEALTH.

	1914-1915		1915-1916	
Health Department (Administrative):				
Salaries	120,694.80		121,741.50	
Expense	23,944.84		16,981.04	
Outlay	6,568.69	151,208.33	2,111.87	140,834.41
Tuberculosis Hospital:				
Salaries	23,373,20		21,890.95	
Expense	48,289.63		40,500.00	
Outlay	2,926.07	74,588.90	9,255.82	71,646.77
Isolation Hospital:				
Salaries	21,572.75		20,637.59	
Expense	22,854.76		16,976.12	
Outlay	3,439.54	47,867.05	28,753.34	66,367.05
Total Conservation of Health		$ 273,664.28		$ 278,848.23

SANITATION AND PROMOTION OF CLEANLINESS.

	1914-1915		1915-1916	
Special Sanitation:				
Salaries	10,080.05		7,116.67	
Expense	4,895.01		2,881.04	
Outlays	24.71	14,999.77		9,997.71
Cleaning, Repairing and Constructing Sewers:				
In Front of City Property	13,571.78		8,793.31	
Salaries and Wages	134,141.15		126,873.50	
Expense	7,937.86		12,023.49	
Outlay	12,997.75	168,648.54	76,914.71	224,605.01
Cleaning and Sweeping Streets:				
Salaries and Wages	331,257.65		332,680.90	
Expense	18,936.40		17,399.97	
Outlays	6,824.85	357,018.90	11,725.00	361,805.87
Total Sanitation and Promotion of Cleanliness		$ 540,667.21		$ 596,408.59

STATEMENT OF AUDITS REGISTERED AGAINST ALL FUNDS AND APPROPRIATIONS—Continued

HIGHWAYS.

	1914-1915		1915-1916	
Repairs to Streets:				
Salaries	384,558.20		468,959.45	
Expense	118,862.33		190,123.39	
Outlays	59,114.87		13,375.00	
Repairs to Streets in Front of City Property	45,125.31		52,015.32	
Special Street Work	208,633.05		239,657.66	
Corporation Yard Equipment	74,510.07	890,803.83	2,569.94	966,700.76
Bureau of Engineering Surveys:				
Salaries	144,480.75		150,526.00	
Expense	3,595.07		1,642.35	
Outlay	3,188.63	151,664.45	11,036.87	163,205.22
City and County Good Roads Fund:				
Salaries	6,226.45		11,757.10	
Outlays	134,091.62	140,318.07	70,613.00	82,370.10
Civic Center Streets:				
Salaries and Wages	145,238.00			
Outlays	79,725.52	224,963.52		
Merged into Repairs to Streets 1915-1916.				
Street Extensions	18,685.15		83.00	

Street Improvement Fund	2,008.75		22,779.08	
Special Inspection Fund	7,029.80		18,993.50	
Excavation Fund	15,558.40		15,255.20	
Polk Street Regrade Fund	11,025.81		499.00	
Redemption of Delinquent Assessment Fund	450.24	54,758.15	375.52	57,985.30
Purchase of Land, Rights of Way	79,470.28	79,470.28		
Maintenance and Construction of Bridges:				
Salaries	17,803.40		12,971.50	
Outlays	9,823.80	27,627.20	73,049.80	86,021.30
Tunnel Assessment Funds:				
Stockton Street Construction	73,864.33		17,915.40	
Stockton Street Redemption			7,973.31	
Stockton Street Interest	970.60	74,834.93		25,888.71
Twin Peak Construction ($4,475.10 transferred to Tax Collector Account)	933,122.84		914,644.16	
Twin Peak Redemption	8,572.44			
Twin Peak Interest	.67	941,695.95	110.00	914,754.16
Lighting Streets	462,670.57	462,670.57	439,666.85	439,666.85
Total Highways		$ 3,048,806.95		$ 2,736,592.40

STATEMENT OF AUDITS REGISTERED AGAINST ALL FUNDS AND APPROPRIATIONS—Continued

CHARITIES AND CORRECTIONS.

	1914-1915		1915-1916	
San Francisco Hospital:				
Salaries and Wages	70,037.65		125,820.25	
Expense of Maintenance	95,121.12		102,498.96	
Outlays	1,916.06	167,074.83	7,581.08	235,900.29
Relief Home for the Aged and Infirm:				
Salaries and Wages	71,295.18		66,580.24	
Expense of Maintenance	166,115.56		154,284.69	
Outlays	4,686.27		6,151.99	
Construction Work	27,009.72	269,106.73	2,226.30	229,243.22
Emergency Hospital:				
Salaries	76,494.29		71,031.25	
Expense	15,105.58		12,649.21	
Outlay	26,667.40	118,267.27	5,831.92	89,572.38
Juvenile Court:				
Salaries	27,900.00		32,968.35	
Expense	3,099.75	30,999.75	2,377.49	35,345.84

Juvenile Detention Home:				
Salaries	7,468.43		9,206.58	
Expense	11,807.35		8,700.48	
Outlay	5,837.70	25,113.48	1,082.55	
Construction			109,649.00	128,638.11
Widows' Pension Bureau:				
Salaries	5,030.00		5,508.69	
Expense	207.46		342.17	
Outlay	480.85			
Widows Aid for Maintenance	85,363.90	91,082.21	110,993.20	116,844.06
Maintenance of Minors:				
Orphans and Half-Orphans in Institutions	164,052.80		168,004.34	
Delinquent Minors	10,107.76		10,962.81	
Children in Feebleminded Home	30,405.00	204,565.56	31,910.00	210,877.15
Burial of Indigent Dead	3,021.00		2,992.50	
Burial of Ex-Union Soldiers and Sailors	4,300.00	7,321.00	4,550.00	7,542.50
Total Charities and Corrections		$ 913,530.83		$ 1,053,903.55

Jails:

Salaries—Expense—Outlay—See Sheriff.

STATEMENT OF AUDITS REGISTERED AGAINST ALL FUNDS AND APPROPRIATIONS—Continued

RECREATION.

	1914-1915		1915-1916	
Playgrounds:				
Salaries and Wages	44,463.02		44,224.51	
Expense	9,676.74		13,327.48	
Outlays	14,911.48	68,551.24	22,253.10	79,805.09
Celebrations:				
Memorial Day, Observance of	500.00		500.00	
Fourth of July, Observance of	2,500.00	3,000.00	2,500.00	3,000.00
Park Fund:				
Salaries and Wages	307,117.80		304,714.00	
Expense, Maintenance	98,340.42		108,152.93	
Outlay	22,526.18	427,984.40	14,546.23	427,413.16
Municipal Band Concerts	9,999.60	9,999.60	9,999.45	9,999.45
Total Recreation		$ 509,535.24		$ 520,217.70

	1914-1915		1915-1916	
School Funds:				
Salaries, Administrative	45,643.96		47,916.96	
Salaries, Janitors, shop	138,539.65		144,313.35	
Salaries, Teachers, Primary and Grammar, day	1,256,645.70		1,311,846.35	
Salaries, Teachers, Primary and Grammar, evening	40,059.55		43,979.80	
Salaries, Teachers, High Schools	242,346.50		272,768.15	
Salaries, Teachers at large and substitutes	94,084.22		118,667.30	
Expense, Teachers' Institute	1,235.00		1,388.65	
Expense, Contributions, Pensions			16,570.00	
Expense, General Maintenance	128,690.10		133,827.60	
Expense, General Repairs	138,282.64		121,501.93	
Outlay, Equipment	40,218.29		121,502.81	
Outlay, Purchase of Land	15,137.50	2,140,883.11	51,147.38	2,385,430.28
Polytechnic High School:				
Construction and Equipment	106,588.32	106,588.32	131,860.79	131,860.79
Library Fund:				
Salaries	52,108.08		55,299.65	
Maintenance	20,720.68		20,063.61	
Outlay	32,724.49		31,205.91	
Purchase of Land	35,045.00	140,638.25		106,569.17
Total Education		$ 2,388,109.68		$ 2,623,860.24

STATEMENT OF AUDITS REGISTERED AGAINST ALL FUNDS AND APPROPRIATIONS—Continued

PUBLIC UTILITIES.

	1914-1915		1915-1916	
Municipal Railway:				
Salaries, Administrative	27,901.10		38,852.16	
Salaries and Wages, Operating	620,947.70		798,868.07	
Expense, Operating	275,261.58		380,370.80	
Outlay, Permanent	30,350.98		4,460.40	
Outlay, Purchase of Land	21,821.50		59,660.00	1,282,211.43
Outlay, Purchase of Bonds	180,733.09	1,157,015.95		
Depreciation Fund:				
Outlay, Purchase of Bonds	416,190.88	416,190.88	135,158.62	135,158.62
Investment Fund:				
Purchase of Bonds	53,737.27	53,737.27	138,878.38	138,878.38
Municipal Water Works Extension Fund:				
Salaries	3,205.10		1,158.80	
Outlays	18,013.54	21,218.64	5,208.29	6,367.09
Water Works Fund:				
Salaries	3,552.50		4,424.00	
Expense	1,909.36		3,529.70	
Outlay	147.50	5,609.36		7,953.70
Total Public Utilities		$ 1,653,772.10		$ 1,570,569.22

PUBLIC TRUST FUNDS.

	1914-1915		1915-1916	
Police Relief and Pension Fund:				
Salary of Secretary	600.00		600.00	
Pensions, etc.	108,070.80	108,670.80	105,673.90	106,273.90
Firemen's Relief and Pension Fund:				
Salaries	600.00		600.00	
Pensions, etc.	99,614.31	100,214.31	107,283.01	107,883.01
Firemen's Relief:				
Allowance for Exempt Firemen	5,000.00	5,000.00	5,000.00	5,000.00
Robinson Bequest Fund:				
Money Advanced on Securities			40,000.00	40,000.00
Robinson Bequest Interest Fund:				
Contributions to Charity	2,000.00	2,000.00	1,644.45	1,644.45
Windel Bequest Interest Fund:				
Contributions to Charity	800.00	800.00	800.00	800.00
Total Public Trust Fund		$ 216,685.11		$ 261,601.36

STATEMENT OF AUDITS REGISTERED AGAINST ALL FUNDS AND APPROPRIATIONS—Continued

PRIVATE TRUST FUNDS.

	1914-1915		1915-1916	
Tearing Up Street Fund:				
Salaries	31,206.00		35,769.45	
Expense of Material and Labor	9,841.19	41,047.19	3,718.80	39,488.25
* Money Refunded to Depositors	22,941.60		23,835.20	
Absent Heir Fund Refund by Order of Court			440.92	
Absent Creditors' Fund Refund by Order of Court			12.50	
County Clerk's Special Fund Refund by Order of Court			110,572.40	
Bail Money Refund by Order of Court	642,647.50		714,690.00	
House Moving Fund, Board of Works	3,300.00		2,000.00	
House Moving Fund, Department of Electricity	736.95		413.15	
Duplicate Tax Fund Refunds	4,245.64		5,022.20	
Overpayment Corporation Tax Fund	3.61		6.00	
Special Badge Fund	400.00		780.00	
†**Special Permit Fund**	60,055.00	734,330.30	46,521.00	
State Inheritance Tax (Paid to State)			1,261,111.50	2,165,404.87

* Included in †.

Miscellaneous Refunds—Money Paid in Error:				
Board of Works Fees	58.00			
Board of Health Fees			10.00	
County Clerk Fees	9.00		12.00	
Forfeited Bail Money			262.00	
Police Court Fines			210.00	
Supervisors' Fees	562.50		382.00	
Licenses	77.50		10.50	
Taxes Paid in Error	5,925.63		1,694.07	
Juvenile Court Overpayment			49.75	
Sheriff Fees	190.62		94.20	
Money Found on Deceased Persons	139.50		115.10	
Tax Balances of Previous Year Cancelled			539.19	
Fines Violating State Ordinances	6,095.25		5,552.50	
Sundry Refunds	20,301.59	33,359.59		8,931.31
Total Private Trust Funds		$ 808,737.08		$ 2,213,824.43

STATEMENT OF AUDITS REGISTERED AGAINST ALL FUNDS AND APPROPRIATIONS—Continued

PRIVATE TRUST FUNDS—Continued

	1914-1915		1915-1916	
Miscellaneous Accounts:				
Condemnation of Spring Valley Water Co.'s Suit:				
Salaries	29,234.58		36,159.12	
Expense	30,836.14	60,070.72	26,700.88	62,860.00
Sundry Accounts—Collection of Coupons at New York, etc.	12,482.51	12,482.51	11,476.41	11,476.41
Total Miscellaneous Accounts		$ 72,553.23		$ 73,336.41
Municipal Bond Funds:				
Civic Center Premium Account	687.00	687.00		
Bond Interest Account	1,968,221.00		1,974,992.25	
Bond Redemption Funds	1,148,000.00	3,116,221.00	1,136,000.00	3,110,992.25
Public Building School Bond Fund, 1904	56,149.48		3,857.25	
Public Building School Bond Fund, 1908	317,867.02		64,664.57	
Public Building Polytechnic High, 1910	90,635.82		26,407.20	
Public Building Sewer Bonds, 1904	199,850.46		130,102.13	
Public Building Sewer Bonds, 1908	245,054.28		120,126.52	
Public Building Library Bonds, 1904	42,266.75		384,671.37	

Public Building Geary St. Ry Bonds, 1910	226,425.88		31,820.50	
Public Building Municipal Ry. Bonds, 1908	2,132,368.20		278,285.61	
Public Buildings Hetch Hetchy Bonds, 1910	338,387.11		450,585.54	
Public Building Fire Protection, 1908	17,178.08		619.35	
Public Building Garbage Bonds, 1908	2,868.88		1,102.80	
Public Building Market St. Railway Bonds, 1908	10,868.36		2,673.50	
Public Building City Hall and Civic Center, 1912	1,578,304.24		1,394,200.85	
Public Building Hospital and Jails, 1913	305,579.57		241,358.41	
Public Building Hospital Bonds, 1908	270.26	5,564,074.35		3,130,475.60
Total Municipal Bond Funds		$ 8,680,982.35		$ 6,241,467.85
Grand Total of Audited Demands		$24,532,705.59		$23,799,013.02

RESUME.

Funds General Purpose and Function	1914-1915 Salaries and Expense	Outlays	Total	1915-1916 Salaries and Expense	Outlays	Total
General Government	$ 1,672,857.81	$ 37,307.43	$ 1,710,165.24	$ 1,946,484.28	$ 34,834.94	$ 1,981,319.22
Protection to Person and Property	3,400,593.54	314,902.75	3,715,496.29	3,426,276.44	220,787.38	3,647,063.82
Conservation of Health	260,729.98	12,934.30	273,664.28	238,727.20	40,121.03	278,848.23
Sanitation & Promotion of Cleanliness	520,819.90	19,847.31	540,667.21	507,768.88	88,639.71	596,408.59
Highways	1,385,728.68	1,663,078.27	3,048,806.95	1,555,562.52	1,181,029.88	2,736,592.40
Charities and Corrections	846,932.83	66,598.00	913,530.83	921,381.21	132,522.34	1,053,903.55
Recreation	472,597.58	36,937.66	509,535.24	483,418.37	36,799.33	520,217.70
Education	2,198,574.37	189,535.31	2,388,109.68	2,288,143.35	335,716.89	2,623,860.24
Municipal Bond Funds:						
Premium Fund		687.00	687.00			
Interest Accounts	1,968,221.00			1,974,992.25		
Redemption Funds	1,148,000.00			1,136,000.00		
Public Building Bond Funds		5,564,074.35	8,680,295.35		3,130,475.60	6,241,467.85
Municipal Water Works Fund and Extension	5,461.86	21,366.14	26,828.00	4,424.00	9,896.79	14,320.79

Miscellaneous Accounts not Charged to any Special Fund:						
Collection of Coupons at New York, Sundry Stationery and Printing	12,482.51			10,476.41		
Condemnation of Spring Valley Water Co.'s Suit		60,070.72	72,553.23		62,860.00	73,336.41
Public Trust Funds	216,685.11		216,685.11	261,601.36		261,601.36
Private Trust Funds (Refunds)	41,047.16	767,689.92	808,737.08	39,488.25	2,174,336.18	2,213,824.43
Total Audits from Budget Allowance and Deposits	$14,150,732.33	$8,755,029.16	$22,905,761.49	$14,794,744.52	$7,448,020.07	$22,242,764.59
Municipal Railway Funds:						
Administration and Operation	954,461.36	202,554.59		1,222,551.43	59,660.00	
Depreciation Fund		416,190.88			135,158.62	
Investment Fund		53,737.27	1,626,944.10		138,878.38	1,556,248.43
Grand Total of all Funds	$15,105,193.69	$9,427,511.90	$24,532,705.59	$16,017,295.95	$7,781,717.07	$23,799,013.02

Municipal Railway Fund is not a Budget Expense, but is operated on its own revenue.

AUDITOR'S FINANCIAL STATEMENT AND GENERAL STATISTICS AS REPORTED TO UNITED STATES BUREAU OF COMMERCE AND STATE CONTROLLER FOR THE FISCAL YEAR ENDED JUNE 30th, 1916.

Name of City and County: San Francisco.

Population, United States Census, 1910.....416,912

Population, Estimated, 1916.....520,000

Date incorporated.....May 1st, 1850

Date re-incorporated.....April 19, 1856

Fiscal year begins.....July 1st, annually

Total number Parks 34.....Acreage 17,674.+

Total number Playgrounds 11.....Acreage 32.97

Territory: Land 46½ square miles. Water 80½ square miles

1st Class City and County.

ASSESSED VALUE OF PROPERTY

	1914-15	1915-16
Value of Real Estate Non-Operative	$304,288,151.00	$302,575,489.00
Value of Improvements	172,536,727.00	175,387,605.00
Value of Personal Property	61,878,872.00	64,599,962.00
Total Non-operative Property	$538,703,750.00	$542,563,056.00
Value of Real Estate; Operative	22,901,250.00	8,046,400.00
Value of Improvements	27,212,039.00	4,498,670.00
Value of Personal Property	67,046,809.00	200,780,848.00
Total Value of Operative Property	$117,160,098.00	$213,325,918.00
Total Assessed Value City and County Property	$655,863,848.00	$755,888.974.00
Value of Railroad Property Assessed by State Board	344,103.00	346,458.00
Total assessed value of all property	$656,207,951.00	$756,235,432.00

APPORTIONMENT OF TAX RATE ON EACH $100 VALUATION.

	1914-15	1915-16
General Fund	$1.4050	$1.3880
Library Fund	.0180	.0180
Park Fund	.0700	.0700
Firemen's Relief Fund	.0180	.0190
School Fund	.2220	.2550
Bond Interest and Redemption Fund	.5170	.5100
Total Tax Rates	$2.2500	$2.2600

Bonded Debt June 30, 1916	$44,934,700.00	
Sinking Fund	1,170,962.16	
Net Bonded Debt		$43,763,737.84

Limitation of Bonded Debt, 15% on total Assessed Valuation

Cash on hand beginning of year, July 1, 1915	$ 9,958,784.40	
Outstanding warrants, including cancellation, July 1, 1915	1,370,011.94	
Auditor's balance at credit of Funds July 1, 1915		$ 8,588,772.46

CLASSIFIED RECEIPTS.

General Fund—		
Taxes	$ 7,481,252.79	
Advertising	10,152.10	
Auditorium	10,534.00	
Interest on Bank Deposits	92,101.69	
Fees from County Officers	234,908.31	
Court Fines	23,997.00	
Licenses, Liquor	1,007,270.00	
Licenses, Dog	11,793.00	
Licenses, Miscellaneous	218,657.00	
Rent of Property	21,908.31	
Miscellaneous Receipts	5,202.35	
		9,177,776.55
Protection to Person and Property—		
From Fees	16,466.84	
Building Permits	28,029.50	
Advertising, Sales, etc.	2,756.16	
		47,252.50

CLASSIFIED RECEIPTS—Continued

Conservation of Health—		
From Fees	1,242.25	
Sales of Material	607.23	
		1,849.48
Sanitation and Cleanliness—		
El Portal, special deposit	11,000.00	
		11,000.00
Highways—		
City and County Good Roads Fund	112,122.51	
Franchises, etc.	143,487.32	
Fees	20,623.25	
Excavation Fund	12,282.70	
Inspection Fund	27,020.50	
Street Improvement	22,225.03	
Beale St. Asst. Fund	11,433.82	
Miscellaneous Receipts	5,126.52	
		354,321.65
Charities and Corrections—		
Widows' Aid	67,345.00	
Orphans' Aid	38,301.39	
Juvenile Court	7,460.68	
Prisoners en route	3,572.00	
Miscellaneous	2,512.44	
		119,191.51
Recreation—		
Taxes	377,185.86	
Park Privileges	49,113.49	
Miscellaneous	972.47	
		427,271.82
Education—		
Taxes, School, County	1,372,987.09	
Apportioned State School	718,456.05	
Taxes, Library	96,990.64	
Fines	4,167.70	
Rents	98,142.50	
Miscellaneous	646.03	
		2,291,390.01
Municipal Water Works—		
Rentals	6,056.89	
		6,056.89
Miscellaneous Accounts—		
Purchase of Land	200.00	
Rental Recorder's Desks	560.00	
Premium on Bonds, National Bank	397.25	
		1,157.25

CLASSIFIED RECEIPTS—Continued

Municipal Bond Fund—		
Taxes, Interest on Bonds	1,713,237.54	
Accrued Interest	26,323.55	
Taxes Redemption Fund	1,175,309.78	
Public Building Sales	3,397,211.97	
Reconstruction by Ocean Shore Railroad Co.	33,717.97	
Miscellaneous Receipts	1,017.38	
		6,346,818.19
Public Trust Funds—		
Taxes Firemen's Relief Fund	102,347.30	
Denman's Medal Fund	150.00	
Robinson Bequest Fund	40,000.00	
Robinson Bequest Interest Fund	1,644.45	
Windel Bequest Interest Fund	800.00	
Police Contributions, etc.	25,533.41	
		170,475.16
Private Trust Funds—		
Monies Refunded:		
Duplicate Tax Fund	5,871.39	
House Moving	2,675.00	
Police Court Bail Money	724,835.00	
Special Badge Fund	595.00	
Special Permit Fund	51,214.00	
Tearing Up Streets Fund	67,067.12	
Special Deposit Fund	161,856.22	
Tax Collector's Special Account	2,177.00	
Miscellaneous	292.47	
		1,016,583.20
Municipal Railway Fund—		
Passenger Receipts	1,989,087.86	
Earned Interest on Investment	4,054.12	
Refund Account	3,513.44	
Sale of Material, etc.	3,026.39	
		1,999,681.81
Depreciation Fund—		
Accrued Interest	1,516.37	
Earned Interest on Investment	19,984.13	
		21,500.50
Investment Fund—		
Accrued Interest	378.38	
Redemption of Bonds	138,500.00	
		138,878.38

CLASSIFIED RECEIPTS—Continued

Tunnel Assessments—		
Stockton St. Assessment	38,604.11	
Stockton St. Interest	203.00	
Twin Peaks Ridge Tunnel Assessm't	840,066.73	
Twin Peaks Ridge Tunnel Interest	3,159.83	
Twin Peaks Ridge Tunnel Redempt'n	4,901.47	
		886,935.14
Total Receipts for City and County		$22,958,140.04
State of California—		
Amounts drawn from various city Funds for support of inmates of State School, Inheritance Taxes, etc., received for State and held by City and County Treasurer and paid to State Treasurer at regular settlement periods, May and December of each year		$ 1,504,510.99
Undistributed receipts pending fixing of tax rates		1,119,301.93
Grand Total of all Receipts		$25,581,952.96

CLASSIFIED PAYMENTS REGISTERED AGAINST ALL FUNDS AND APPROPRIATIONS.

General Purposes	Amount	Total
General Government—		
Salaries and Expense	$ 1,945,484.28	
Outlays	34,834.94	
		$ 1,980,319.22
Protection to Person and Property—		
Salaries and Expense	3,426,276.44	
Outlays	220,787.38	
		3,647,063.82
Conservation of Health—		
Salaries and Wages and Expense	238,727.20	
Outlays	40,121.03	
		278,848.23
Sanitation and Promotion of Cleanliness—		
Salaries and Expense	507,768.88	
Outlays	88,639.71	
		596,408.59
Highways—		
City and County Good Roads Fund	82,370.10	
Tunnel Assessments	940,642.87	
Excavation Fund	15,255.20	
Street Improvement Fund	22,779.08	
General Construction and Repairs	1,675,545.15	
		2,736,592.40
Charities and Corrections—		
Salaries and Expense	921,381.21	
Outlays	132,522.34	
		1,053,903.55
Recreation—		
Salaries and Expense	483,418.37	
Outlays	36,799.33	
		520,217.70
Education—		
Salaries and Expense	2,288,143.35	
Outlays	335,716.89	
		2,623,860.24
Municipal Bond Funds—		
Interest Account	1,974,992.25	
Redemption Fund	1,136,000.00	
P. B. Bond Funds	3,130,475.60	
		6,241,467.85

CLASSIFIED PAYMENTS, ETC.—Continued

General Purposes	Amount	Total
Municipal Water Works—		
Salaries and Expense	4,224.00	
Outlays	9,896.79	
		14,320.79
Miscellaneous Accounts—		
Sundry Expense	11,476.41	
Spring Valley Water Suit	62,860.00	
		74,336.41
Public Trust Funds—		
Bequests, Contributions, etc.	261,601.36	
		261,601.36
Private Trust Fund—		
Deposits Refunded, etc.	2,213,824.23	
		2,213,824.43
		$22,242,764.59
Municipal Railway Fund—		
Operating Expense	1,222,551.43	
Outlays	59,660.00	
Depreciation Fund	135,158.62	
Investment Fund	138,878.38	
		1,556,248.43
Total Audits		$23,799,013.02

ISCAL YEAR ENDED JUNE 30, 1916.

asurer's yments 5-1916	Treasurer's Cash 1915-1916	Outstanding Demands June 30, 1916	Auditor's Balance June 30, 1916	Amount Reconciled by Settlement After Close of Fiscal Year
74,992.25	$ 1,160,462.51		$1,160,462.51	
36,000.00	1,170,962.16		1,170,962.16	
53,836.44	4,264,655.59	203,532.34	4,061,123.25	
6.00	156.64		156.64	
4,633.71	18,101.17	550.19	17,550.98	
	392.92		392.92	
10,964.00	36.00		36.00	
15,559.55	18,367.94	723.80	17,644.14	
8,983.16	1,550.84	738.03	812.81	
93,970.77	1,171,809.13	759,143.34	412,665.79	
2,640.00	2,169.81	273.15	1,896.66	
5,922.63)	174,521.82		174,521.82	
21,154.44)*				
38,878.38	200,000.00		200,000.00	
07,498.51	41,507.85	5,952.11	35,555.74	
18,852.15	281,310.98	86,640.51	194,670.47	
36,543.42	224,109.23		224,109.23	
27,559.79	41,744.64	40,492.72	1,251.92	
13,070.00	32,859.50	5,675.00	27,184.50	
499.00	464,45		464.45	
13,740.00				
03,372.03	115.87	9,695.83		$ 9,579.96
08,620.95	15,364.76	25,040.75		9,675.99
10,000.00	250.00		250.00	
2,144.45				
	18,336.24		18,336.24	
15,339.13	106,565.78	61,785.45	44,780.33	
11,187.56	50,668.66	55.00	50,613.66	
15,781.00	32,337.75	3,320.00	29,017.75	
820.00	1,194.00	10.00	1,184.00	
17,842.55	22,961.60	2,917.65	20,043.95	
30,718.28	114,359.43	1,909.32	112,450.11	
17,667.68	17,887.99		17,887.99	
	314.84		314.84	
7,973.31	8,792.25		8,792.25	
488.52	2,939.95		2,939.95	
32,779.08	166.12		166.12	
226.65	1,817.91	2.50	1,815.41	
32,148.90	12,993.54	4,455.17	8,538.37	
	2,177.00		2,177.00	
	75,799.38		75,799.38	
18,088.92	163,202.39	2,415.29	160,787.10	
	187,601.82		187,601.82	
303.39	28,808.50		28,808.50	
17,983.95	26,904.63	1,157.75	25,746.88	
7,934.94	2,382.18	252.00	2,130.18	
800.00	620.09		620.09	
17,525.49	9,699,745.86	1,216,737.90	8,502,263.91	*19,255.95
		19,255.95*		
17,755.52	817,440.61		817,440.61	
79,755.26	8,514.62		8,514.62	
15,036.27	10,525,701.09	1,197,481.95	9,328,219.14	19,255.95

VALUE OF PROPERTY OWNED BY CITY

City Hall including Civic Center—		
Land and Building	$10,800,000.00	
Furnishing and Equipment	350,000.00	
		$11,150,000.00
Auditorium—		
Land and Building	2,000,000.00	
Furnishing and Equipment	50,000.00	
		2,050,000.00
Fire Department—		
Land and Buildings	2,000,000.00	
High Pressure	5,000,000.00	
Apparatus, etc.	1,500,000.00	
		8,500,000.00
Jails—		
Land and Buildings	570,000.00	
Equipment	15,000.00	
		585,000.00
Schools—		
Land and Buildings	12,500,000.00	
Equipment	385,000.00	
		12,885,000.00
Library—		
Land and Buildings	1,100,000.00	
Books and Equipment	180,000.00	
		1,280,000.00
Relief and Juvenile Homes—		
Land and Buildings	785,000.00	
Furniture and Equipment	95,000.00	
		880,000.00
Hospitals—		
Land and Buildings	4,000,000.00	
Furniture and Equipment	250,000.00	
		4,250,000.00
Parks—		
Land and Buildings	34,000,000.00	
Equipment, Museum, Aviary and Zoo	3,195,000.00	
		37,195,000.00
Isolation Hospital—		
Land and Buildings	100,000.00	
Equipment	10,000.00	
		110,000.00

VALUE OF PROPERTY OWNED BY CITY—Continued

Department of Electricity—		
Land and Buildings	60,000.00	
Equipment	275,000.00	
		335,000.00
Highway Department Equipment	265,000.00	
Garbage Disposal Plant	300,000.00	
Election Booths	25,000.00	
Miscellaneous Real Estate, Rights of Way, etc.	375,000.00	
Municipal Railway	5,500,000.00	
Police Department, including Hall of Justice	1,750,000.00	
		8,215,000.00
		$87,435,000.00

EXPENDITURES

Of the City and County of San Francisco During the Fiscal Year Ended June 30, 1916

Being the Total Demands Audited in said Year.

GENERAL GOVERNMENT

ASSESSOR'S OFFICE

Salaries—		
Assessor	$ 7,999.92	
Chief Deputy	2,400.00	
Cashier	1,800.00	
Deputies	27,000.00	
Assistant Deputies—4 at $2,100 each	8,400.00	
Assistant Deputies—4 at $1,800 each	7,200.00	
Extra Clerks	43,116.55	
Map Maker	1,800.00	
		99,716.47
Expense—		
Auto Hire	545.30	
Stationery	4,297.93	
Postage	1,500.00	
Furniture	17.40	
Maps	52.30	
Telephone and Telegrams	8.85	
Newspaper Subscriptions	48.80	
Block Books	214.25	
Livery	1,150.00	
Premium on Official Bond	250.00	
		8,084.83

Total Assessor's Office $107,801.30

AUDITOR'S OFFICE

Salaries—		
Auditor	4,000.00	
Chief Deputy Auditor	2,400.00	
Assistant Deputies, 3 at $2,400 each	7,200.00	
Assistant Deputies, 5 at $1,800 each	9,000.00	
Assistant Deputies, 2 at $1,500 each	3,000.00	
Forward	$ 25,600.00	$ 107,801.30

GENERAL GOVERNMENT—Continued

Forward	$ 25,600.00	$ 107,801.30
Clerks, 2 at $1,200 each	2,400.00	
Expert on Minors and Widows' Pensions	1,500.00	
Stenographer and Bond Clerk	1,500.00	
Telephone Operator	1,020.00	
		32,020.00
Expense—		
Incidentals	394.75	
Fees of Attorney	1,800.00	
Stationery	556.47	
Postage	261.00	
Premium on Official Bond	175.00	
Furniture	29.00	
		3,216.22

Assessment Roll

Computing and Experting Tax Books	7,000.00	
		7,000.00

Total Auditor's Office $42,236.22

CIVIL SERVICE COMMISSION

Salaries—		
Commissionesr	3,600.00	
Chief Examiner and Secretary	2,400.00	
Assistant Secretary	1,800.00	
Clerks (2)	3,000.00	
Stenographer	1,200.00	
Inspectors	6,300.00	
Special Examiners and Clerks	1,961.54	
		20,261.54
Expense—		
Advertising	249.00	
Auto Hire	23.20	
Incidentals	80.00	
Printing	1,575.15	
Postage	230.00	
Furniture	522.35	
		2,679.70

Total Civil Service Commission $22,941.24

Forward	$ 172,978.76

GENERAL GOVERNMENT—Continued

BOARD OF SUPERVISORS

Forward		$ 172,978.76
Salaries—		
Supervisors	43,200.00	
Chief Clerk	4,200.00	
Chief Assistant Clerks	3,000.00	
Expert to Board	3,600.00	
Bond and Ordinance Clerk	3,000.00	
Superintendent of Supplies	3,000.00	
Superintendent of Supplies Assistant	1,200.00	
Assistant Clerks	16,500.00	
Telephone Operators	3,232.98	
Sergeant at Arms	1,440.00	
Chauffeur	1,500.00	
Stenographers, Finance Committee	2,100.00	
Stenographers, Supervisors	2,400.00	
		88,372.98
Expense—		
Advertising Ordinances and Resolutions	16,895.47	
Appraisements	250.00	
Auto Service	55.00	
Auto Supplies	576.05	
Books	18.00	
Binding	44.40	
Compensation for injuries to persons	301.20	
Dues League of Municipalities	60.00	
Expense, Committee to Los Angeles Conference	150.00	
Funeral Lieutenant Governor	200.00	
Furniture	452.76	
Ice	28.05	
Incidentals	40.90	
Miscellaneous Expenses — Clerical Service	212.50	
Premium on Official Bonds	295.00	
Postage	472.16	
Stationery	1,984.69	
Stenographic Service	10.00	
Telephone Service	151.70	
Transcribing Testimony	199.55	
Typewriter	40.00	
		22,437.43
Forward		$ 283,789.17

GENERAL GOVERNMENT—Continued

Forward		$ 283,789.17
Finance Committee Expense—		
Examining Books and Accounts:		
Birdsall	3,734.00	
Dolge	1,025.00	
Clerical Service	1,425.00	
Expense	15.02	
		6,199.02
Printing Public Documents	15,582.14	15,582.14
Printing Municipal Record	1,442.65	1,442.65
Printing Municipal Reports	4,552.33	4,552.33
Gasoline for City Automobiles	3,302.33	3,302.33

Total Board of Supervisors $141,888.88

CORONER'S OFFICE

Salaries—		
Coroner	3,999.96	
Autopsy Surgeon	2,400.00	
Chief Deputy	2,400.00	
Deputies	5,700.00	
Driver and Assistant Deputy	1,200.00	
Matrons	2,040.00	
Messenger	900.00	
Morgue Tender	1,056.00	
Toxicologist	1,200.00	
Stenographers	3,375.00	
		24,270.96
Expense—		
Auto Service and Hire	209.68	
Drugs and Chemicals	113.34	
Dictaphone	216.00	
Dry Goods	215.71	
Garbage Removal	33.00	
Hardware and Lamps	90.47	
Incidentals	59.60	
Janitorial Supplies	70.19	
Laundry	311.70	
Postage	35.00	
Premium on Bond	25.00	
Recovery of Bodies	480.00	
Rubber Goods	63.30	
Forward	$ 1,922.99	$ 339,138.60

GENERAL GOVERNMENT—Continued

Forward	$ 1,922.99	$ 339,138.60
Stationery	368.00	
Surgical Instruments	18.38	
Telephone Service	93.75	
Furniture	269.00	
		2,672.12

Total Coroner's Office $26,943.08

DEPARTMENT OF ELECTIONS

Salaries—		
Commissioners	5,000.00	
Registrar of Voters	2,400.00	
Deputies, 2 at $2,100 each	4,200.00	
Deputies, 6 at $1,800 each	10,800.00	
Stenographers	2,400.00	
Storekeeper	1,200.00	
Clerks	56,448.85	
Clerks (Special)	1,503.10	
Election Officers (General)	39,050.00	
Election Officers (State)	29,295.00	
Election Officers (Primary)	39,060.00	
Election Officers (Presidential Election)	16,642.50	
Carpenter	1,692.00	
Labor	221.75	
		209,913.20
Expense—		
Advertising	3,383.80	
Auto Hire	254.65	
Ballot Paper	2,415.33	
Cartage and Hauling	1,941.40	
Electric Material and Hardware	800.78	
Erecting Booths	5,639.84	
Equiping Booths	4,421.09	
Livery	400.00	
Paints and Oils	132.04	
Painting Booths	1,645.21	
Premium on Bonds	125.00	
Printing Index	9,238.56	
Printing Ballots	7,446.30	
Printing Miscellaneous	6,590.94	
Forward	$ 44,434.94	$ 551,723.92

GENERAL GOVERNMENT—Continued

Forward	$ 44,434.94	$ 551,723.92
Postage	10,265.00	
Rent of Polling Places	3,851.00	
Revision of Maps	2,145.25	
Stationery	3,902.01	
Sundries	389.15	
		64,987.35
Outlay—		
Machinery	1,505.70	
Construction of Booths	8,722.35	
Furniture	4,157.08	
Filing Cases	523.65	
Typewriter	114.63	
		15,023.41

Total Department of Elections $289,923.96

MAYOR'S OFFICE

Salaries—		
Mayor	6,000.00	
Secretary	2,400.00	
Assistant Secretary	2,100.00	
Stenographers	3,600.00	
Telephone Operator	1,020.00	
Usher	900.00	
Chauffeur	1,500.00	
		17,520.00
Expense—		
Advertising	331.20	
Contingent Expenses	3,600.00	
Incidentals	1,740.00	
Postage	376.25	
Premium on Bond	62.50	
Stationery	479.30	
		6,589.25
Outlay—		
Furniture	75.65	
		75.65

Total Mayor's Office $24,184.90

Forward	$ 655,919.58

TAX COLLECTOR'S OFFICE

Forward		$ 655,919.58
Salaries—		
Tax Collector	3,999.72	
Chief Deputy	2,400.00	
Cashier and Assistants	7,200.00	
Blockbook-man	1,500.00	
Bookkeeper	1,800.00	
Accountant	2,400.00	
Deputies	19,500.00	
Acting Deputies	12,494.31	
Expert Searcher	1,800.00	
Special Deputies	5,400.00	
License Adjuster	1,800.00	
Stenographer	1,380.00	
Extra Clerks	6,220.00	
Clerical Service on Twin Peaks Tunnel Assessment	4,475.10	
		72,369.13
Expense—		
Advertising	478.50	
Bookbinding	45.92	
Cartage	227.00	
Furniture	54.00	
Incidentals and Car Fare	207.45	
Livery	224.10	
Postage	607.05	
Printing Delinquent Tax List	1,496.65	
Stationery	2,905.20	
Telephone Service	54.50	
		6,300.37

Total Tax Collector's Office $78,669.50

TREASURER'S OFFICE

Salaries—		
Treasurer	3,999.96	
Chief Deputy	2,400.00	
Bookkeeper	3,900.00	
Bond and Bank Deputy	3,000.00	
Cashier	3,600.00	
Clerks	6,600.00	
Deputies	4,200.00	
		27,699.96
Forward		$ 762,289.04

GENERAL GOVERNMENT—Continued

Forward		$ 762,289.04
Expense—		
Advertising	257.83	
Auto Hire	127.40	
Binding Books	5.50	
Coin Bags	66.65	
Freight	201.84	
Furniture	281.00	
Incidentals	131.86	
Postage	84.00	
Premium on Official Bonds	1,000.00	
Stationery	625.59	
		2,781.67

Total Treasurer's Office $30,481.63

Forward		$ 765,070.71

DEPARTMENT OF PUBLIC WORKS

GENERAL OFFICE

Forward		$ 765,070.71
Salaries—		
Commissioners	12,000.00	
Deputy Commissioner	3,000.00	
Clerk, Attorney	3,000.00	
Experienced Clerks (2)	4,200.00	
Stenographers (3)	4,860.00	
Messenger	1,500.00	
Chauffeur	1,500.00	
Telephone Operators (2)	2,040.00	
		32,100.00

Bookkeeping Department

Salaries—		
Bookkeeper	3,600.00	
Clerks (4)	7,680.00	
Stenographers (2)	3,180.00	
Chief Timekeeper	1,800.00	
Assistant Timekeepers (2)	3,000.00	
Timekeeper's Clerks	2,400.00	
Cashier	2,400.00	
Cashier's Assistant	1,800.00	
		25,860.00

Inspection of Complaints

Salaries—		
Chief Deputy	3,000.00	
Assessment Clerk	2,400.00	
Clerk	1,800.00	
Inspectors (5)	9,895.85	
		17,095.85

Storekeeper's Department

Salaries—		
Storekeeper	2,100.00	
Watchmen (6)	7,469.90	
Blacksmith and Helpers	5,222.40	
Painter	1,375.00	
Laborers	3,216.10	
		19,383.40

Total Administration $94,439.25

Forward		$ 859,509.96

DEPARTMENT OF PUBLIC WORKS—Continued

BUREAU OF BUILDINGS AND REPAIRS

Forward		$ 859,509.96
Salaries—		
Superintendent	3,000.00	
Assistant	2,400.00	
Chief Engineers	4,162,90	
Engineers (5)	7,532.35	
Elevator Conductors (13)	14,121.30	
Elevator Starter	1,200.00	
Elevator Conductor (County Jail)	2,078.70	
Janitors (Head and Asst.)	3,180.00	
Janitors	38,895.40	
Additional Janitors (9, Hall)	6,316.35	
Watchmen (2)	2,160.00	
		85,046.90
Expense—		
Clerks	1,154.85	
Carpenters	1,827.85	
Cement Finishers	239.75	
Glazier	80.00	
Labor	42.00	
Locksmith	1,500.00	
Painters	1,027.25	
Plumbers	3,788.25	
Teamsters	2,011.35	
Tinners	1,070.75	
Wiremen	1,621.00	
Carfare	337.15	
Electric Current	11.34	
Electric Supplies	322.77	
Gasoline	13.35	
Glass	111.59	
Hardware	699.66	
Incidentals	10.71	
Lumber	73.46	
Paints and Oils	157.39	
Construction of Float	380.00	
Plumbing Supplies	224.98	
Sundries	125.77	
		16,831.22
Forward		$ 961,388.08

DEPARTMENT OF PUBLIC WORKS—Continued

Bureau of Architects

Forward		$ 961,388.08
Salaries—		
Chief Draftsman	3,000.00	
Draftsmen (2)	4,200.00	
Surveyor	1,980.00	
Clerk	2,100.00	
Stenographer	1,200.00	
		12,480.00

Total Bureau of Buildings and Repairs $114,358.12

Rent of Premises

Temporary City Hall	42,010.00	
Detention Hospital	6,000.00	
Fire Department Lot	160.00	
Juvenile Court Detention Home	3,300.00	
Health Dept. Harbor Hospital	2,700.00	
Moving and Equipping Various Offices	4,592.94	
Health Office	4,200.00	
		62,962.94
Water Furnished Public Buildings		25,000.00
Lighting:		
Gas Furnished Public Buildings	1,777.18	
Electricity Furnished Public Buildg's	44,154.17	
		45,931.35
Furniture New City Hall		162,424.30

General Maintenance

Salaries—		
Clerks	15,504.00	
		15,504.00
Transportation—		
Auto Service	4,760.00	
Livery	4,704.00	
Rent of Garage	276.72	
Chauffeur	117.50	
Carfare	2,140.20	
Auto Licenses	67.31	
Gasoline	416.26	
Repairs to Autos	1,395.51	
Tires	270.60	
Washing Autos	37.50	
		14,185.60
Forward		$ 1,299,876.27

DEPARTMENT OF PUBLIC WORKS—Continued

Forward		$ 1,299,876.27
Expense—		
Advertising	8,981.48	
Bookbinding	341.73	
Cement	37.62	
Chemicals	178.77	
Electrical Supplies	60.92	
Electric Current	28.23	
Fuel Oil	5,714.62	
Furniture	342.10	
Flags (Signal)	12.00	
Glass	19.74	
Garbage Removal	279.50	
Hardware	826.85	
Incidentals	69.55	
Janitorial Supplies	3,409.70	
Lumber	346.07	
Paints	65.20	
Postage	801.42	
Posting Block Books	120.00	
Premium on Bonds	333.50	
Plumbing Supplies	96.05	
Repairs to Elevator	237.56	
Rock	23.80	
Rent of Safety Box	16.00	
Rubber Goods	105.63	
Roofing	56.06	
San Francisco Directories	37.50	
Stationery and Printing	5,117.30	
Subscription to Papers	10.55	
Towel Service	2,252.95	
Typewriter Repairs	385.74	
Wagon Repairs	23.40	
		30,331.54
Outlay—		
Automobile	695.00	
Adding Machine	404.75	
Calculating Machine	250.00	
Cabinets	174.25	
Electric Lamps	984.80	
Removing Counters, etc., City Hall	1,534.33	
		4,043.13
Forward		$ 1,334,250.94

DEPARTMENT OF PUBLIC WORKS—Continued

Miscellaneous Appropriations

Forward		$ 1,334,250.94
Salaries—		
Relief Engineers	3,295.80	
Relief Watchmen	1,977.00	
Watchman at Pipe Yard	2,518.35	
Engineer at Pipe Yard	835.50	
		8,626.65

Total General Maintenance $72,690.92

CIVIC CENTER AUDITORIUM

Salaries—		
Manager	1,651.00	
Engineers	825.00	
Janitors	2,984.05	
Laborers and Mechanics	1,278.00	
Watchmen	1,216.45	
		7,954.50
Expense—		
Acoustics	250.00	
Dry Goods	52.89	
Electrical Material	169.15	
Furniture	79.50	
Fuel and Fuel Oil	2,010.98	
Gas and Electric Lighting	1,540.08	
Garbage Removal	60.50	
Incidentals	59.21	
Janitors' Supplies	816.38	
Lumber	175.78	
Printing	7.75	
Rubber Goods	170.14	
Refund of Rents	462.50	
Teaming	37.15	
Paints and Oils	18.82	
Hardware	529.62	
Water	274.12	
Storing Models	242.29	
		6,956.86
Outlay—		
Fire Extinguisher	150.00	
Flags	22.40	
Forward	$ 172.40	$ 1,357,788.95

DEPARTMENT OF PUBLIC WORKS—Continued

Forward	$ 172.40	$ 1,357,788.95
Stage Covering	65.00	
Typewriting Machine	41.00	
		278.40

Total Civic Auditorium $15,189.76

Civic Center Heating and Power House

Salaries—		
Firemen	2,395.60	
Painter	8.00	
Steam Fitter	108.00	
Labor	70.01	
		2,581.61

Total $2,581.61

Photostat Department

Salaries—		
Assistant Photographer	1,073.75	
		1,073.75
Expense—		
Auto Supplies	39.18	
Blue Prints	152.22	
Photo Material	2,328.42	
Freight	114.95	
Furniture	20.00	
Gas	46.56	
Incidentals	24.60	
Paper	2,281.25	
		5,007.18

Total Photostat Dept. $6,080.93

Forward	$ 1,366,729.89

DEPARTMENT OF JUSTICE

Forward		$ 1,366,729.89
Salaries—		
Justices of Peace	20,669.25	
Clerk of Court	3,000.00	
Chief Deputy	1,800.00	
Cashier	1,800.00	
Deputies (3)	4,029.15	
Messenger	1,466.15	
		32,764.55
Expense—		
Postage	288.00	
Stationery and Printing	870.44	
		1,158.44

Total Justice of the Peace $33,922.99

POLICE COURTS

Salaries—		
Judges	14,400.00	
Stenographers	9,600.00	
		24,000.00
Expense—		
Furniture	194.29	
Postage	25.00	
Stationery and Printing	137.98	
		357.27
Outlay—		
Iron Grating for Dock	232.50	
		232.50

Total Police Courts $24,589.77

SUPERIOR COURTS

Salaries—		
Judges, 12 Civil Courts	36,000.00	
Judges, 4 Criminal Courts	12,000.00	
Stenographers, Civil Courts	3,220.00	
Stenographers, Criminal Courts	14,901.15	
Secretary	3,000.00	
Messenger	960.00	
Interpreters for all Courts	9,600.00	
		79,681.15
Forward		$ 1,504,923.80

DEPARTMENT OF JUSTICE—Continued

Forward		$ 1,504,923.80
Expense—		
Law Books	166.50	
Binding Books	32.45	
Furniture	307.70	
Handwriting Expert	913.15	
Interpreters (Special)	67.50	
Incidentals	126.24	
Judges Additional Expenses	764.75	
Medical Testimony	670.00	
Miscellaneous (Urgent Necessity)	391.12	
Postage	319.50	
Printing Law and Motion Calendar	4,800.00	
Stationery and Printing	1,271.08	
Transcribing Testimony	482.40	
		10,312.39

Total Superior Courts $89,993.54

JURY FEES AND WITNESS EXPENSES

Jury Fees (Trial Jurors)	27,910.00	
Transportation and Meals	1,753.00	
Meals and Lodging for persons, criminal cases	459.80	
		30,122.80

Total Jury Fees and Witness Expenses $30,122.80

CITY ATTORNEY'S OFFICE

Salaries—		
City Attorney	4,999.92	
City Attorney's Assistants	23,400.00	
Chief Clerk	1,800.00	
Chief Clerk's Assistant	900.00	
Messenger	900.00	
Stenographers (4)	4,200.00	
		36,199.92
Expense of Office—		
Furniture	54.90	
Postage	176.50	
Premium on Official Bonds	25.00	
Stationery and Printing	363.83	
		620.23
Forward		$ 1,582,179.14

DEPARTMENT OF JUSTICE—Continued

Forward		$ 1,582,179.14
Litigation Expense—		
Appraisements	1770.00	
Accounting Services	425.00	
Contingent Expenses	4,185.60	
Expert Witness Fees	740.00	
Insurance	110.00	
Photographs	347.50	
Stationery and Printing	775.50	
Stenographic Services	2,093.30	
Services Civil Engineer	489.10	
Subscription to Papers	24.00	
		10,960.00

Total City Attorney's Office $47,780.15

DISTRICT ATTORNEY

Salaries—		
District Attorney	4,999.92	
District Attorney's Assistants	34,800.00	
Bond and Warrant Clerk	2,400.00	
Bond and Warrant Clerk's Assistants	8,100.00	
Chief Clerk and Assistant	3,000.00	
Bookkeeper	1,200.00	
Stenographers (2)	2,700.00	
Messenger	1,500.00	
		58,699.92
Expense—		
Auto Service	1,236.83	
Directories	22.50	
Furniture	23.80	
Ice	50.20	
Prosecution of Criminals	4,689.67	
Stationery and Printing	1,100.55	
Postage	245.00	
Premium on Official Bonds	100.00	
		7,468.55

Total District Attorney $66,168.47

COUNTY CLERK'S OFFICE

Salaries—		
County Clerk	3,999.96	
Chief Register Clerk	2,400.00	
Forward	$ 639,996.00	$ 1,659,307.61

DEPARTMENT OF JUSTICE—Continued

Forward	$ 639,996.00	$ 1,659,307.61
Cashier	1,800.00	
Copyists	37,200.00	
Superior Court Clerks	24,000.00	
Police Court Clerks	6,000.00	
Assistant Register Clerks	24,000.00	
Deputies	7,200.00	
Messenger	1,200.00	
		107,799.96
Expense—		
Binding Books	143.55	
Carfare	112.00	
Furniture and Cases	1,278.43	
Postage	283.00	
Premium on Official Bonds	250.00	
Stationery and Printing	5,245.49	
		7,312.47

Total County Clerk's Office $115,112.43

GRAND JURY EXPENSES

Expense—		
Accountants' Service	2,365.00	
Fees of Jurors	3,237.00	
Searcher of Records	30.00	
Stenographer	75.00	
Auto Service	243.30	
Expert Testimony	170.00	
Interpreting Testimony	215.15	
Investigations	358.75	
Incidental Carfare	20.90	
Photos	25.00	
Printing Report	330.00	
Postage	70.76	
Telephone Service	12.54	
Transcribing Testimony	4,183.67	
Transportation of Witnesses	52.00	
Towel Service	8.25	
Water	13.50	
		11,410.82

Total Grand Jury Expenses $11,410.82

Forward	$ 1,785,830.86

DEPARTMENT OF JUSTICE—Continued

LAW LIBRARY

Forward		$ 1,785,830.86
Salaries—		
Librarian	3,600.00	
Messenger	1,200.00	
		4,800.00
Expense—		
Stationery and Printing	235.74	
Postage	5.00	
		240.74

Total Law Library $5,040.74

INSANE

Expense—		
Examination of Insane	11,050.00	11,050.00
Maintenance of Criminal Insane	3,008.00	3,008.00

SHERIFF AND JAILS

Salaries—		
Sheriff	7,999.92	
Under Sheriff	2,400.00	
Attorney	1,800.00	
Chief Bookkeeper and Assistants	5,400.00	
Office Deputies	19,495.85	
Bailiffs Superior Court (Civil)	14,400.00	
Bailiffs Superior Courts (Criminal)	7,100.00	
Keepers of places under attachment	15,267.00	
Chief Jailer and 10 Assistants	13,800.00	
Superintendent of Jails	1,800.00	
Guards, Jail (22)	12,924.21	
Guards, Road (6)	5,347.50	
Matron and Bookkeeper	1,335.00	
Commissary	1,500.00	
Van Drivers (2)	1,800.00	
Bookkeeper for Jails	1,500.00	
Stenographer	1,200.00	
Cooks (2)	1,800.00	
Druggist	1,200.00	
		118,069.48
Expense Maintenance of Jails, etc.—		
Advertising	37.50	
Electric Supplies	23.52	
Forage	2,100.54	
Forward	$ 216,156.00	$ 1,922,999.08

DEPARTMENT OF JUSTICE—Continued

Forward	$ 216,156.00	$ 1,922,999.08
Harness	103.45	
Hardware	393.20	
Horseshoeing, Clipping	510.25	
Lamps	190.12	
Livery	490.00	
Postage	318.00	
Premium on Official Bonds	250.00	
Repairs to Jails	1,434.61	
Repairs to Vans	630.15	
Rent of Gas Regulators	165.00	
Serving Subpoenaes	110.30	
Stationery and Printing	1,180.22	
Transportation of Prisoners	338.00	
Transportation and Milage	2,361.95	
Veterinary Services	3.00	
		10,639.81
Subsistence of Prisoners—		
Bread	3,995.20	
Drugs and Medical Supplies	583.44	
Dry Goods and Clothing	2,537.19	
Fuel	1,052.84	
Furniture	296.50	
Gas	3,295.80	
Incidentals	8.50	
Janitorial Supplies	421.79	
Ice	510.66	
Liquors	59.02	
Provisions	27,061.86	
Scavenger Service	472.50	
Shoes and Findings	740.34	
Tobacco	471.50	
		41,507.14
Outlay—		
Alterations County Jail	5,173.19	
		5,173.19
Total Sheriff and Jails $175,389.62		
Forward		$ 1,980,319.22

PROTECTION OF LIFE AND PROPERTY

BUREAU OF BUILDING INSPECTION

Forward		$ 1,980,319.22
Salaries—		
Chief Inspector	3,600.00	
Building Inspectors	15,765.35	
Boiler Inspector	1,800.00	
Clerks	1,819.40	
Stenographer	2,400.00	
Structural Engineer	2,400.00	
Inspector of House Numbers	2,100.00	
		29,884.75

LIGHT AND WATER INSPECTOR

Salaries—		
Inspector	2,100.00	
Assistant	1,680.00	
		3,780.00

BOARD OF CENSORS

Salary—		
Secretary	375.00	
		375.00

SEALER OF WEIGHTS AND MEASURES

Salaries—		
Sealer	2,400.00	
Deputies	7,200.00	
Clerk	220.00	
		9,820.00
Expense—		
Auto and Livery Service	225.00	
Auto License	27.60	
Auto Supplies	425.19	
Cartage	17.35	
Hardware	99.40	
Incidentals	7.50	
Postage	32.00	
Stationery	77.69	
		911.73
Forward		$ 2,025,090.72

PROTECTION TO LIFE AND PROPERTY—Continued

Forward		$ 2,025,090.72
Outlay—		
Automobile	997.20	
Purchase of Standard Weights and Measures	490.00	
		1,487.20

Total Sealer of Weights and Measures $12,218.93

PUBLIC POUND

Maintenance of Animals' Home	11,308.60	11,308.60

ACCIDENT INSURANCE

Compensation for Injury of City Employees	5,604.33	5,604.33

PUBLIC ADMINISTRATOR

Expense—		
Advertising	550.22	
Premiums on Official Bonds	250.00	
		800.22

Total Public Administrator $800.22

HORTICULTURAL INSPECTION

Salary	1,637.70	1,637.70

EXEMPT FIREMEN'S RELIEF FUND	5,000.00	5,000.00

RECORDER'S OFFICE

Salaries—		
Recorder	3,999.96	
Chief Deputy	2,400.00	
Deputies	9,000.00	
Clerks	12,200.00	
Copyists	33,321.00	
Machinists	1,500.00	
		62,420.96
Expense—		
Gas Regulator	30.00	
Incidentals	5.15	
Postage	130.00	
Premium on Official Bond	35.00	
Rebinding Books	86.01	
Stationery	1,923.12	
		2,209.28
Forward		$ 2,115,558.99

PROTECTION TO LIFE AND PROPERTY—Continued

Forward		$ 2,115,558.99
Outlay—		
Locker and Cabinets	675.00	
Furniture	421.50	
		1,096.50

Total Recorder's Office $65,726.74

DEPARTMENT OF ELECTRICITY

Salaries—		
Chief Electrician	3,000.00	
Bookkeeper and Secretary	2,100.00	
Clerk	1,201.30	
Stenographer	1,320.00	
Messenger	1,020.00	
Inspectors	12,183.30	
Telegraph Operators	12,300.00	
Telephone Operators	4,379.85	
Machinists and Instrument Makers	10,752.50	
Foreman	1,350.00	
Painter	1,350.00	
Chief of Construction	2,400.00	
Linemen	26,307.50	
Cable Splicer	1,662.40	
Storekeeper	1,200.00	
Hostler	1,200.00	
Repairers	1,372.60	
Labor	3,934.30	
Batteryman	1,500.00	
Engineer Undeground Construction	1,800.00	
Wiremen	1,550.00	
		93,883.75
Back Salaries paid O. K. Jones and W. J. Pennycook	2,998.66	
		2,998.66
Expense—		
Auto Supplies and Repairs	1,078.84	
Auto License	35.20	
Cartage and Hauling	54.94	
Carfare	262.85	
Cement and Lime	62.25	
Fuel	104.24	
Forward	$ 1,598.32	$ 2,213,537.90

PROTECTION TO LIFE AND PROPERTY—Continued

Forward	$ 1,598.32	$ 2,213,537.90
Gas	554.94	
Gasoline	393.89	
Hardware and Castings	1,518.59	
Incidentals	147.60	
Lumber	474.79	
Paints and Oils	407.43	
Postage	20.00	
Rubber Goods	146.73	
Removal of Garbage	24.00	
Repairs to Streets	247.33	
Repairs to Wagons	226.43	
Stationery, Printing	1,104.60	
Towel Service	74.35	
		6,939.00
Outlay—		
Cable and Wire	9,406.51	
Castings	408.25	
Electrical Material	6,736.56	
Furniture	447.45	
Cross Beams and Arms	220.90	
Lamps	172.53	
Machinery	65.00	
		17,457.20
Motor Generator (Fire Alarm Station)	887.00	
		887.00

Total Department of Electricity $122,165.61

FIRE DEPARTMENT

Salaries—		
Commissioners	4,800.00	
Secretary	2,400.00	
Physician	1,800.00	
Stenographer	1,775.00	
Chief Engineer	5,000.00	
Chief Engineer's Assistants (2)	6,600.00	
Battalion Chiefs (11)	29,700.00	
Battalion Chief Operators (13)	19,439.40	
Employees of Engine Companies (48)	790,080.65	
Employees of Relief Companies (2)	8,078.00	
Employees of Chemical Co.'s (12)	76,870.45	
Forward	$ 946,543.50	$ 2,238,821.10

PROTECTION TO LIFE AND PROPERTY—Continued

Forward	$ 946,543.50	$ 2,238,821.10
Employees of Truck Companies (12)	215,068.50	
Employees of Fire Boats (2)	75,334.60	
Employees of Monitor Batteries (2)	4,283.45	
Employees of Water Towers (2)	12,815.70	
		1,254,045.75

Corporation Yard

Salaries—		
Superintendent of Engines	2,700.00	
Clerk and Commissary	1,800.00	
Watchmen	5,406.60	
Draftsman	1,500.00	
Hydrantmen	8,350.00	
		19,756.60

Construction and Repair Department

Salaries—		
General Mechanics	51,535.35	
		51,535.35

Stables

Salaries—		
Superintendent	1,860.00	
Veterinary Surgeon	1,200.00	
Hostlers	9,553.35	
Horseshoers	6,260.00	
		18,873.35

Auxiliary Fire Protection

Salaries—		
Chief Engineers (2)	4,188.35	
Assistant Engineers (5)	7,462.50	
Firemen	8,400.00	
		20,050.85

Distributing System

Salaries—		
Superintendent	2,400.00	
Gatemen	7,500.00	
Keepers of Reservoirs	1,440.00	
Caulkers	1,413.00	
Laborers	2,808.00	
		15,561.00
Forward		$ 3,618,644.00

PROTECTION TO LIFE AND PROPERTY—Continued

Forward		$ 3,618,644.00
Expense of Maintenance—		
Advertising	229.17	
Auto Supplies and Repairs	7,460.74	
Badges	6.95	
Brass Material	598.63	
Boiler Repairs	824.65	
Cleaning Supplies	2,649.53	
Drugs and Chemicals	3,519.29	
Dry Goods	328.63	
Electric Current	204.67	
Electric Supplies	1,101.01	
Excelsior	252.93	
Forage	34,932.95	
Fuel and Oil	18,407.21	
Gasoline	3,259.91	
Gas and Electricity	12,433.28	
Groceries	123.19	
Hardware	5,189.95	
Horseshoeing	2,827.36	
Incidentals	165.14	
Leather Goods	352.61	
Lumber and Mill Work	440.67	
Metal Polish	208.68	
Oxygen	282.76	
Pasturing Horses	261.85	
Paints and Oils	2,392.79	
Plumbing Supplies	962.74	
Premium on Official Bonds	100.00	
Postage	166.94	
Removing Garbage	3,300.00	
Repairs to Fire Boats	2,402.90	
Repairs to Apparatus	2,153.96	
Recharging Batteries	558.13	
Resetting Hydrants	4,175.04	
Rubber Goods	2,075.52	
Rent of Gas Regulator	53.20	
Rent of Premises	1,623.75	
Repairs to Cistern	153.00	
Stationery and Printing	2,306.73	
Traveling Expense to Eastern States	600.00	
Forward	$ 119,086.46	$ 3,618,644.00

PROTECTION TO LIFE AND PROPERTY—Continued

Forward	$ 119,086.46	$ 3,618,644.00
Tank Repairs	24.90	
Telephone Service	114.50	
Water for Pumping Plant	7,470.53	
Water for Fire Boats	313.16	
Water for Hydrants	131,884.49	
		258,894.04
Outlay—		
Clocks	99.80	
Fire Extinguishers	245.40	
Flags	22.60	
Furniture	2,993.78	
Harness	644.61	
Hose	1,558.48	
Hydrants	9,009.22	
Iron and Steel	1,014.98	
Ladders	539.80	
Lamps	1,340.16	
Machinery Parts	5,738.47	
Gasoline Tanks	2,006.83	
Gas Range and Heater	207.33	
Rubber Tires	2,235.03	
Tractors	30,150.00	
Chemical Apparatus	11,050.00	
Automobiles	6,243.25	
Pumping Engines	18,750.00	
Hook and Ladder Trucks	8,463.00	
		102,312.74

Construction and General Repairs to Fire Houses

Salaries—		
Carpenters	6,351.50	
Glazier	96.25	
Cement Finisher	255.00	
Laborers	128.00	
Painters	1,014.50	
Plumbers	2,128.00	
Teamsters	769.80	
Tinners	2,782.75	
Wiremen	580.00	
		14,105.80
Forward		$ 3,993,956.58

PROTECTION TO LIFE AND PROPERTY—Continued

Forward		$ 3,993,956.58
Expense—		
Carfare	140.00	
Cement	244.14	
Electric Supplies	94.07	
Glass—Glazing	637.38	
Hardware	883.87	
Installing Side Sewer	64.50	
Lumber	1,709.73	
Paints and Oils	438.64	
Plumbing Material	185.87	
		4,398.20
Outlay—Construction of Engine House Howard St. and Mint Ave.—		
Architects' Service	3,292.08	
Carpenters	285.00	
Cement Finisher	97.00	
Inspectors	957.95	
Laborers	72.00	
Plumbers	180.00	
Tinners	98.25	
Teamsters	524.00	
Wiremen	30.00	
		5,536.28
Blueprints	50.23	
Construction of Houses	11,552.95	
Electric Material	152.66	
Gasoline	6.67	
Hardware	148.77	
Lumber	439.66	
Plumbing Material	22.70	
		12,373.64
Engine House No. 5		
Salaries—		
Architect's Service	742.79	
Engineer	74.00	
Inspectors	1,236.50	
		2,053.29
Outlay—		
Blueprints	93.29	
Electrical Work and Lighting Fixtures	1,619.10	
Forward		$ 4,018,317.99

PROTECTION TO LIFE AND PROPERTY—Continued

Forward		$ 4,018,317.99
Plumbing	3,926.25	
General Construction	24,224.32	
		29,862.96

Engine House No. 8

Outlay—		
Plumbing	199.89	
		199.89

Engine House No. 12

Salaries—		
Architect's Service	827.30	
Engineer	12.00	
Inspector	43.00	
		882.30
Outlay—		
Construction	6,091.15	
Lighting Fixtures	1,288.00	
Plumbing	2,502.50	
Hose Rack	101.21	
		9,982.86

Engine House No. 3

Salaries—		
Architects	601.10	
Engineer	70.00	
Inspector	1,178.15	
		1,849.25
Outlay—		
Blueprints	65.94	
Electrical Work	826.35	
Cabinets and Lockers	232.80	
General Construction	19,209.35	
Lighting Fixtures	445.00	
Plumbing	3,272.50	
		24,051.94

Total Fire Department $1,846,326.09

POLICE DEPARTMENT

Salaries—		
Commissioners	4,800.00	
Chief of Police	3,975.96	
Confidential Secretary	2,400.00	
Forward	$ 11,175.96	$ 4,085,147.19

PROTECTION TO LIFE AND PROPERTY—Continued

Forward	$ 11,175.96	$ 4,085,147.19
Clerk to Chief	2,376.00	
Property Clerk	2,376.00	
Captain of Detectives	2,976.00	
Detective Sergeants	44,400.00	
Police Surgeon	1,500.00	
Stenographers	4,200.00	
Captains of Police	21,384.00	
Lieutenants of Police	32,150.44	
Sergeants of Police	120,740.64	
Corporals of Police	63,387.71	
Patrolmen	1,092,498.50	
Police Protective Women	3,600.00	
Patrol Drivers	29,958.06	
Hostlers	10,260.00	
Matrons	4,320.00	
Telephone Operators	4,281.00	
Cook	1,200.00	
		1,452,784.31
Contingent Expenses	8,049.40	
		8,049.40
Fines of Police Officers	1,115.00	
Contributions of Police Officers	22,218.00	
		23,333.00

Maintenance of Police Department

Expense—		
Advertising	2.37	
Auto Supplies	3,881.77	
Auto Repairs	3,234.36	
Binding Books	23.00	
Directories	225.00	
Drugs and Chemicals	115.45	
Electric Power	48.58	
Fuel	1,414.11	
Funeral Expense (Music)	183.00	
Furniture and Filing Cases	2,040.53	
Forage	8,340.17	
Gas	324.90	
Gasoline	2,076.62	
Hardware	290.02	
Forward	$ 22,199.88	$ 5,569,313.90

PROTECTION TO LIFE AND PROPERTY—Continued

Forward	$ 22,199.88	$ 5,569,313.90
Harness	446.23	
Horseshoeing	3,547.50	
Incidentals	218.05	
Photo Supplies	1,832.29	
Paints and Oils	292.51	
Postage	390.00	
Premium on Bonds	75.00	
Removal of Garbage	382.00	
Rubber Goods	33.55	
Repairs to Police Boat	18.80	
Stable Supplies	421.68	
Stationery and Printing	6,425.58	
Telegrams	325.20	
Towel Service	535.50	
Veterinary Service	234.25	
Wagon Repairs	230.40	
		37,608.42
Outlay—		
Automobile	2,250.00	
Auto Patrol Wagon	3,125.00	
Automobile Runabout	2,468.75	
Horses	755.00	
Lamps	298.40	
Typewriting Machines	372.18	
		9,269.33

Subsistence of Prisoners

Expense—		
Bread	1,610.32	
Drugs	109.94	
Dry Goods	766.98	
Fruit and Vegetables	620.30	
Fuel	142.14	
Groceries	1,268.43	
Gas	276.96	
Hardware	309.66	
Janitor Supplies	395.52	
Laundry	84.44	
Meats, Poultry and Fish	2,205.86	
Milk	191.52	
Shoes	225.60	
		8,207.67
Forward		$ 5,624,399.32

PROTECTION TO LIFE AND PROPERTY—Continued

General Repairs and Alterations

Forward		$ 5,624,399.32
Salaries—		
Carpenters	1,357.81	
Cement Finishers	231.00	
Glaziers	25.50	
Laborers	27.00	
Painters	967.50	
Plumbers	1,440.00	
Tinners	170.75	
Teamsters	51.00	
Wiremen	538.75	
		4,809.31
Expense—		
Carfare	142.80	
Cement	71.39	
Electric Supplies	4.50	
Fire-Proofing	15.00	
Glass	59.43	
Hardware	382.45	
Lumber	471.48	
Plumbing	16.24	
Paints and Oils	141.10	
Sundry Repairs	10.00	
		1,314.39
Repairs to Police Photo Gallery	375.02	
		375.02
Installing Signal System Traffic Squad		1,485.00
Total Police Department $1,547,235.85		
Forward		$ 5,632,383.04

CONSERVATION OF HEALTH

DEPARTMENT OF HEALTH

Forward		$ 5,632,383.04
Salaries—Executive Office—		
Health Officer	3,600.00	
Chief Clerk	2,700.00	
Stenographer	1,320.00	
Telephone Operator	1,020.00	
Filing Clerk	1,080.00	
		9,720.00
Auditing Department		
Bookkeeper	2,400.00	
Clerk	1,200.00	
		3,600.00
Bureau of Vital Statistics		
Mortuary Clerk	1,500.00	
Birth Registry Clerk	1,500.00	
Complaint Clerk	1,200.00	
		4,200.00
Bureau of Sanitation		
Chief Sanitary Inspector	3,000.00	
Assistant Sanitary Inspectors	8,700.00	
Clerk	1,920.00	
Stenographers	2,400.00	
Telephone Operator	187.15	
City Physician	2,400.00	
		18,607.15
Bureau of Laboratories		
Director	3,600.00	
Bacteriologist and Assistant	2,680.00	
Chemist and Assistants	4,615.85	
Stenographer	900.00	
		11,795.85
Inspection		
Disinfectors	2,941.65	
Plumbing Inspectors	10,005.00	
		12,946.65
Forward		$ 5,693,252.69

CONSERVATION OF HEALTH—Continued

Forward		$ 5,693,252.69
Market Veterinarian	4,860.00	
Market Inspectors	21,047.90	
		25,907.90
Food Inspectors	3,000.00	
		3,000.00
Dairy Inspectors	2,625.00	
Dairy Veterinarian	3,600.00	
		6,225.00
Industrial Inspectors	3,203.80	
		3,203.80
Medical Inspectors	4,200.00	
School Inspectors	13,275.65	
		17,475.65
Inspector of Indigents	1,350.00	
Tenement House Inspectors	3,544.50	
		4,894.50
Mechanics	165.00	
		165.00
Expense Maintenance—		
Auto License	105.60	
Auto Supplies and Repairs	2,788.10	
Binding Books	6.60	
Dry Goods	65.10	
Drugs and Medical Supplies	3,585.71	
Electrical Material	47.42	
Fuel	10.95	
Gas	312.90	
Groceries	76.45	
Hardware	117.59	
Ice	162.00	
Incidentals and Cash Advanced	2,664.31	
Janitor Supplies	98.53	
Inspection of Outside Dairies	1,077.75	
Laboratory Supplies	945.62	
Livery and Transportation	960.00	
Premium on Official Bonds	45.00	
Paints and Oils	10.13	
Removal of Garbage	63.00	
Repairs to Typewriter	14.50	
Rubber Goods	26.64	
Stationery and Printing	2,627.77	
Forward	$ 15,811.67	$ 5,754,124.54

CONSERVATION OF HEALTH—Continued

Forward	$ 15,811.67	$ 5,754,124.54
Photo Supplies	221.37	
Painting Signs	36.00	
Postage	912.00	
		16,981.04
Outlay—		
Furniture	242.79	
Surgical Instruments	28.17	
Typewriter	113.30	
Mimeograph	55.00	
Lamps	6.91	
Automobile Runabouts	1,099.55	
		1,545.72
Automobile from Board of Works App.	566.15	
		566.15

Total Department of Health $140,834.41

ISOLATION HOSPITAL

Salaries—		
Superintendent	2,400.00	
Head Nurse	825.00	
Graduate Nurses	4,791.35	
Pupil Nurses	1,228.00	
Cooks	2,337.00	
Chauffeur	838.00	
Gardener	962.65	
Internes	120.00	
Institutional Help	3,375.09	
Laundress	782.50	
Stenographer	45.00	
Wardmen	1,754.00	
Mechanics and Labor	99.00	
Leper Attendant	1,080.00	
		20,637.59
Expense—		
Auto Hire	338.50	
Auto Supplies	504.42	
Auto License	13.80	
Boiler Repairs	81.42	
Cartage	50.00	
Christmas Gifts to Lepers	250.00	
Drugs and Medical Supplies	3,411.50	
Forward	$ 4,649.64	$ 5,793,855.04

CONSERVATION OF HEALTH—Continued

Forward	$ 4,649.64	$ 5,793,855.04
Dry Goods	718.17	
Electrical Supplies	147.27	
Fuel	950.86	
Groceries and Provisions	8,142.72	
Gas	923.88	
Garbage Removal	100.00	
Hardware	449.95	
Incidentals	55.15	
Ice	92.10	
Janitor Supplies	191.56	
Laundry	65.48	
Lumber	53.65	
Postage	26.00	
Rubber Goods	82.41	
Stationery and Printing	123.35	
Seeds and Plants	25.84	
Sundry Equipment	178.09	
		16,976.12
Outlay—		
Furniture	2,380.32	
Machinery	208.00	
Typewriter	56.55	
		2,644.87
Construction and Alterations		
Carpenters	15.00	
Draftsmen	84.70	
Engineer	32.00	
Plumber	18.00	
Tinner	9.00	
		158.70
Repairs to Wards and Cottages	1,428.67	
		1,428.67
Construction of Ward	7,200.00	
Construction of Nurses' Home	3,459.00	
Construction of General Hospital	11,204.25	
Construction of Refrigerator	1,478.00	
Construction of Garage	880.00	
Construction of Boiler, etc	271.63	
Blue Prints	28.22	
		24,521.10
Total Isolation Hospital $66,367.05		
Forward	$ 24,521.10	$ 5,839,584.50

CONSERVATION OF HEALTH—Continued

TUBERCULOSIS HOSPITAL

Forward	$ 24,521.10	$ 5,839,584.50
Salaries—		
Resident Physician	1,800.00	
Internes	1,014.35	
Gatemen	720.00	
Superintendent of Nurses	1,080.00	
Graduate Nurses	2,300.00	
General Nurses	2,173.46	
Commissary	300.00	
Orderlies	2,538.65	
Cooks	1,923.20	
Wardmen	1,199.70	
Attendants and Helpers	6,841.59	
		21,890.95
Outlay—		
Mechanics:		
Carpenters	2,361.50	
Cement Finisher	32.00	
Glazier	7.50	
Laborers	193.50	
Painters	1,714.00	
Plumbers	555.00	
Tinners	74.50	
Teams	126.60	
Wiremen	35.00	
		5,099.60
Material:		
Boiler	75.24	
Drop Curtains	380.00	
Electrical Supplies	53.85	
Hardware	586.44	
Lumber	1,592.99	
Paints and Oils	739.79	
Roofing	395.00	
Plumbing Supplies	332.91	
		4,156.22
Total Tuberculosis Hospital $31,146.77		
Forward		$ 5,870,731.27

CONSERVATION OF HEALTH—Continued

SPECIAL SANITATION

Forward		$ 5,870,731.27
Salaries—		
Special Sanitary Inspectors	5,876.67	
Storekeeper	715.00	
Bacteriologist	525.00	
		7,116.67
Expense—		
Auto Supplies	40.19	
Carfare	460.13	
Drugs	515.72	
Electrical Supplies	177.29	
Fuel	24.38	
Gas	104.52	
Food Animals	294.19	
Ice	59.85	
Rubber Goods	56.46	
Scavenger Service	66.00	
Water	47.36	
Stationery and Printing	207.00	
Rent of Premises	564.00	
Sundry Equipment	263.95	
		2,881.04

Total Special Sanitation $9,997.71

EXTENSION OF MAIN SEWER

Salaries—		
Engineer	1,522.50	
Surveyors and Assistants	1,104.15	
Draftsmen	1,284.85	
Chemist Assistant	50.00	
Cribbers	133.00	
Inspectors	1,310.00	
Stenographers	520.00	
		5,924.50
Outlay—		
Box Culvert	499.00	
Carfare	15.55	
Damage to Land	400.00	
Dredging Islais Creek	4,699.87	
Electric Power	56.49	
Forward	$ 5,670.91	$ 5,886,653.48

CONSERVATION OF HEALTH—Continued

Forward	$ 5,670.91	$ 5,886,653.48
General Construction	11,164.90	
Hardware	21.75	
Insurance Policy	55.00	
Manholes and Castings	445.00	
Stationery	55.50	
Typewriter	37.90	
Purchase of Land	3,150.00	
		20,600.96
Total Extension of Main Sewer $26,525.46		
South Bay District Sewer Construct'n	38,540.25	
		38,540.25
El Portal Way Sewer Construction	10,964.00	
		10,964.00

REPAIRS TO SEWERS (GENERAL APPROPRIATION)

Salaries—		
Superintendent	3,000.00	
Bricklayers	12,670.25	
Carpenters and Cribbers	16,764.70	
Foremen	11,532.50	
Hodcarriers	6,429.75	
Laborers	19,640.10	
Teamsters	34,125.50	
Sewer Cleaners	21,044.25	
Watchmen	1,666.45	
		126,873.50
Expense—		
Auto License	8.80	
Auto Supplies	249.40	
Brick	1,484.54	
Basin Frames and Iron Gates	1,215.84	
Carfare	83.65	
Cement	1,196.00	
Electrical Supplies	40.89	
Electric Current	1,019.61	
Fuel	13.73	
Gasoline	69.87	
Hardware	675.18	
Incidentals	14.80	
Jute Bags	58.75	
Forward	$ 6,131.06	$ 6,083,632.19

CONSERVATION OF HEALTH—Continued

Forward	$ 6,131.06	$ 6,083,632.19
Lamps and Globes	80.05	
Lumber	472.00	
Machinery	114.25	
Manhole Covers	909.91	
Paints and Oils	176.13	
Rubber Goods	846.35	
Repairs to Tools	109.95	
Sewer Pipe	3,010.68	
Sundry Repairs	173.11	
		12,023.49
Outlay—		
Automobile	885.00	
		885.00

Total $189,286.24

SEWER WORK IN FRONT OF CITY PROPERTY

Catch Basins	207.50	
Cesspools	1,797.67	
Sewer Work:		
Sunnyside District	1,566.85	
45th Ave. and Balboa	177.50	
30th Ave. and Balboa	87.76	
45th Ave. between I and J Sts.	62.00	
Geary St. between 30th and 40th Ave.	210.00	
Fulton and Somerset	45.00	
Bemis St.	113.80	
Lowell St.	100.00	
Girard and Olmstead, Wilde & Berlin	240.31	
Elsie, between Eugenia and Esmeralda	248.50	
Seneca and San Jose Ave.	381.50	
De Haro and Mariposa	499.00	
Maynard and Ney	748.00	
Newhall and Fairfax Ave.	18.06	
Visitacion Valley	300.00	
Pumping Storm Waters	289.86	
		7,093.31
Resetting Hydrants	1,700.00	
		1,700.00
Total Sewer Work in Front of City Property	$8,793.31	
Forward		$ 6,105,333.99

CONSERVATION OF HEALTH—Continued

CLEANING AND SWEEPING STREETS

Forward		$ 6,105,333.99
Salaries—		
Superintendent of Street Cleaning	3,000.00	
Assistant Supt. of Street Cleaning	1,800.00	
Apparatus Tender	540.00	
General Mechanics	1,439.75	
Foremen	21,174.00	
Sweepers and Laborers	152,444.40	
Stenographer	309.70	
Teamsters	146,143.25	
Watchmen	5,829.80	
		332,680.90
Expense—		
Auto License	10.40	
Auto Service	400.00	
Auto Supplies and Repairs	648.09	
Ash Cans	1,020.00	
Brooms and Brushes	1,733.00	
Carfare	14.30	
Electric Supplies	99.68	
Electric Current	107.25	
Fuel	81.83	
Gasoline	406.35	
Globes and Lamps	107.02	
Hardware	2,543.03	
Hose	530.75	
Incidentals	138.48	
Lumber	52.37	
Machine Repairs	1,534.65	
Paints and Oils	431.20	
Rubber Goods	268.23	
Repairs to Wagons	2,428.85	
Sand	206.09	
Water	4,638.40	
		17,399.97
Outlay—		
Automobile	750.00	
Flushing Wagon	6,475.00	
Motor Sweeper	4,500.00	
		11,725.00
Total Cleaning and Sweeping Streets	$361,805.87	
Forward		$ 6,467,139.86

HIGHWAYS

Forward		$ 6,467,139.86
Salaries—		
Superintendent of Street Repairs and Assistants	5,700.00	
Special Assistants (2)	3,600.00	
Superintendent of Stone Paving	2,100.00	
Carpenters	3,613.75	
Chauffeurs	2,493.35	
Cement Finishers	5,900.20	
Engineers (High Pressure)	5,790.75	
Engineers (Mechanical)	130.00	
Engineers (Stationary)	3,503.05	
Engineers (Steam Roller)	7,219.50	
Bricklayer	162.50	
Hod Carriers	112.50	
Foremen, General Work	4,200.00	
Foremen, Asphalt Workers	9,649.00	
Foremen, Laborers	9,633.00	
Firemen	2,400.00	
Glazier	2.50	
Granite Cutters	22,558.00	
Laborers	131,189.25	
Asphaltmen	40,074.05	
Inspectors	2,019.60	
Pavers and Rammers	54,734.80	
Plumbers	205.50	
Painters	621.50	
Lampmen	2,350.00	
Photographer	85.00	
Stenographer	83.85	
Teamsters	135,541.85	
Quarry Drillers	6,942.80	
Tinners	398.50	
Wiremen	226.25	
Watchmen	5,718.40	
		468,959.45
Expense—		
Auto Licenses	77.68	
Auto Supplies and Repairs	1,597.40	
Auto Service	1,160.00	
Forward	$ 2,835.08	$ 6,936,099.31

HIGHWAYS—Continued

Forward	$ 2,835.08	$ 6,936,099.31
Asphalt	21,994.09	
Basalt Blocks	2,293.00	
Brass Castings	171.76	
Carpenter and Mill Work	794.36	
Canvas Covers	87.60	
Carfare and Transportation	829.85	
Cement	46,223.66	
Chemicals	29.56	
Curbing	3,696.04	
Electric Supplies	336.13	
Electric Current	640.92	
Forage	290.67	
Freight	35.50	
Fuel and Oil	7,116.73	
Gas and Electricity	1,404.36	
Gasoline	820.73	
Grouting	22,883.42	
Hardware	4,547.73	
Horseshoeing	143.00	
Hose and Rubber Goods	632.53	
Incidentals	202.27	
Iron and Steel	2,680.85	
Lamps and Globes	583.39	
Livery	1,600.00	
Lumber	2,468.54	
Machinery Supplies	7,706.79	
Office Furniture	220.00	
Paints and Oils	930.69	
Powder	326.61	
Rock and Sand	37,320.02	
Resetting Hydrants	202.50	
Repairs and Tools	1,505.20	
Sign Painting	226.00	
Teaming and Hauling	12,166.85	
Wagon Repairs	427.25	
Water	1,266.38	
Water for Troughs	2,483.33	
		190,123.39
Outlay—		
Automobile	1,870.00	
Motor Road Roller	3,750.00	
Forward	$ 5,620.00	$ 7,126,222.70

HIGHWAYS—Continued

Forward	$ 5,620.00	$ 7,126,222.70
Purchase of Basalt Blocks	3,405.00	
Purchase of Vitrified Brick	4,350.00	
		13,375.00
Corporation Yard Equipment—		
Equipment and Construction	2,569.94	
		2,569.94

WORK IN FRONT OF CITY PROPERTY

Sidewalks and Curbings—		
City Hall	8,084.10	
Bryant Street	974.90	
Bush and Stockton Sts.	65.44	
Buena Vista Park	50.00	
Bay and Stockton Sts.	39.00	
Bosworth, Brompton and Joost	1,237.40	
Clay and Laguna Sts.	31.23	
Chemical Engine No. 8	242.00	
Cooper School	234.75	
Douglas School	181.25	
Engine House No. 30	14.90	
Garfield Square	398.20	
Grove St., Cole to Clayton	26.25	
Glen Park School	2,017.50	
Irving and Judah Sts.	57.87	
Jones and Leavenworth	216.38	
Market and 10th Sts.	119.74	
Mission and 22nd St.	12.25	
Mission and Ecker	10.50	
Mission and 16th St.	51.80	
Powell and Clay Sts.	129.10	
Taylor, Bay to North Point	1,883.90	
Taylor and Adelaide Place	60.00	
12th Ave., "B" to "C"	165.00	
13th Ave., "B" to "C"	159.00	
31st Ave. and California	130.51	
23rd Ave. and Clement	112.50	
15th St., Beaver to Castro St.	225.00	
19th St., Noreiga St. and Quintara St.	1,011.74	
19th St. and Collingwood	50.26	
22nd and DeHaro Sts.	253.90	
Waller, Shrader to Stanyan	61.00	
Forward	$ 18,309.47	$ 7,142,167.64

HIGHWAYS—Continued

Forward	18,309.47	$ 7,142,167.64
Wisconsin to 21st St.	354.24	
Steel Stairways, 18th and Indiana St.	22.00	
		18,683.71
Repaving and Grading Streets—		
Bemis St.	628.72	
Buena Vista and Haight St.	633.00	
Beach and Larkin Sts.	20.00	
Cambridge St.	1,208.00	
Cambrillo and 20th Ave.	16.25	
Church and Liberty Sts.	957.60	
Courtland Ave.	200.00	
Clement St.	700.10	
Elton Lane and O'Farrell St.	260.53	
Elm bet. Pierce and Scott Sts.	360.31	
Farragut and Mission Sts.	63.50	
Fulton St.	559.80	
Francisco and Larkin Sts.	751.39	
Geary St.	60.00	
Green and Octavia Sts.	21.77	
Havelock, Anza and San Jose Ave.	1,596.00	
Irving St. and 37th Ave.	70.50	
Isolation Hospital	34.00	
Lyon, Vallejo to Green St.	1,781.14	
Larkin and Rockland	72.14	
Moultrie and Crescent Ave.	1,818.79	
Mission Grammar School	574.81	
Mariposa St.	271.85	
Noe St.	1,405.42	
Niagara and King Sts.	198.64	
Orange Alley	205.00	
Pine and Sansome Sts.	209.25	
Pacific Ave.	759.13	
Stockton St.	200.00	
San Bruno District	1,449.23	
Sunset District	7,348.48	
Richmond District	2,714.65	
Potrero District	4,051.36	
Union and Sansome Sts.	630.25	
Purchase of Land, Geary St. Widening	1,500.00	
		33,331.61
Total Work in Front of City Property $52,015.32		
Forward		$ 7,194,182.96

CONSTRUCTION OF HIGHWAYS AND STREETS

Special Street Funds

Construction of Esplanade Ocean Boulevard

Forward		$ 7,194,182.96
Salaries—		
Engineers	1,013.65	
Chemist	50.00	
Surveyors and Field Assistants	887.50	
Draftsmen	265.00	
Inspectors	1,115.00	
		3,331.15
Outlay—		
Blueprint	18.25	
Carfare	11.75	
Construction	31,393.20	
		31,423.20

Total Construction of Highways and Streets $34,754.35

Improvement Cumberland and Noe Sts.

Salaries—		
Engineer	485.00	
Field Assistant	12.50	
		497.50

Paving and Grading Hayes St. (City's Portion)

Salaries—		
Engineer	80.00	
Chemist	25.00	
Inspectors	1,017.50	
		1,122.50
Outlay		
Carfare	1.60	
Damage to adjoining property	7,500.00	
Paving and Grading	15,495.90	
		22,997.50

Total Paving and Grading Hayes St., City's Portion $24,120.00

Improving San Bruno Ave., Vista to Bay Shore

Salaries—		
Engineer	50.00	
Surveyor and Assistants	2,620.75	
Inspectors	1,205.90	
		3,876.65
Forward		$ 7,257,431.46

HIGHWAYS—Continued

Forward		$ 7,257,431.46
Outlay		
Construction Work	31,123.35	
		31,123.35
Total $35,000.00		

Construction of Boulevard and St. Germain Avenue Through City Property

Salaries—		
Engineers	850.00	
Surveyors and Filed Assistants	987.55	
Inspectors	1,407.10	
Chemist	25.00	
Photographer	28.35	
		3,298.00
Outlay		
Carfare	3.60	
Construction Work	25,458.00	
		25,461.60
Total $28,759.60		

Vermont Street—McKinley Square

Grading and Construction Work	6,348.38	
		6,348.38
Constructing and Paving 17th St., Bryant to Hampshire St.	4,563.65	
Inspectors	258.55	
		4,822.20

Widening 15th St., Castro to Beaver

Engineer	50.00	
Moving Building	1,375.00	
		1,425.00
Construction Work, Clement St., 33rd to 38th Aves.	324.64	
		324.64
Construction Work, 29th Ave., Geary to Clement St.	6,730.28	
Inspector	31.15	
		6,761.43
Forward		$ 7,336,996.06

HIGHWAYS—Continued

Forward		$ 7,336,996.06
Construction San Bruno Ave., Arleto and County Line	12,860.28	
Inspector	223.10	
		13,083.38
Construction San Bruno Ave., Courtland to Steuben—		
Surveyors	246.25	
Inspector	153.35	
		399.60
Construction Work	28,849.53	
		28,849.53
Construction Oakdale, San Bruno Ave. to Railroad Ave.	11,751.65	
Engineers, Surveyors, etc	510.85	
		12,262.50
Construction Van Ness Ave., Beach to North Point	6,441.49	
Inspector	65.00	
		6,506.49
Construction Buena Vista Ave., Haight to Central Ave.	5,201.05	
Inspector	245.00	
		5,446.05
Construction Balboa, 13th to 14th Aves...	2,593.07	
Inspector	43.05	
		2,636.12
Construction Fulton St., 14th Ave. to Great Highway	14,789.34	
Inspector	241.70	
		15,031.04
Construction 22nd, Potrero to Vermont....	4,605.80	
Inspector	50.85	
		4,656.65
Construction Lyon St., Green to Greenwich	95.92	
Inspector	60.00	
		155.92
Construction Paving Holly Park Circle....	1,551.30	
Surveyor	15.35	
		1,566.65
Forward		$ 7,427,589.99

HIGHWAYS—Continued

Forward		$ 7,427,589.99
Construction Laidley, Roanoke to County Line—Setting Curbs	2,340.33	
Inspector	3.25	
		2,343.58
Installing Street Signs	188.50	
		188.50
Driveway, Berry St. Improvement	1,400.00	
		1,400.00
Plans for Relief Home Tract	1,095.50	
		1,095.50
Inspection of Fire Cisterns	200.00	
		200.00
Sidewalks Jackson Park	1,023.05	
		1,023.05

Total Special Funds $239,657.66

Excavation Fund

Clerks	1,402.50	
Stenographer	1,000.00	
Inspectors	7,122.50	
Carfare	303.75	
		9,828.75

Total $9,828.75

BUREAU OF ENGINEERING

Salaries—		
City Engineer	15,000.00	
Chief Assistant	4,366.15	
Civil Engineers	23,865.00	
Draftsmen	18,480.00	
Cartographer	1,800.00	
Surveyors	14,700.00	
Surveyors' Field Assistants	38,098.25	
Chemists	3,600.00	
Photographers	3,300.00	
Inspectors Streets and Sewers	23,124.85	
Stenographers	4,191.75	
		150,526.00
Expense—		
Auto License	17.60	
Auto Repairs	607.50	
Forward	$ 625.10	$ 7,594,195.37

HIGHWAYS—Continued

Forward	$ 625.10	$ 7,594,195.37
Binding Books	32.30	
Chemicals	348.76	
Directory	22.50	
Electric Supplies	10.45	
Furniture	72.46	
Garage Rent	10.00	
Gasoline	118.48	
Hardware	342.35	
Instruments	616.82	
Instrument Repairs	273.17	
Incidentals	102.73	
Lumber	268.50	
Map Corrections	241.55	
Paints and Brushes	90.49	
Paper	166.81	
Sand	62.94	
Stationery	964.34	
		4,369.75
Outlay		
Metal Filing Cases	625.70	
		625.70

Total Bureau of Engineering $155,521.45

MAINTENANCE OF PUMPING STATION

Salaries—		
Engineer (Mechanical)	657.50	
Draftsmen	171.25	
Inspectors	155.00	
Mechanics	25.75	
Teamsters	28.55	
Watchmen	180.00	
		1,218.05
Expense—		
Carfare	24.55	
Electric Current	4,618.36	
Gas and Electricity	76.38	
Hardware	28.43	
Pump Repairs	701.35	
		5,449.07

Total Maintenance of Pumping Station $6,667.12

Forward	$ 7,605,857.94

HIGHWAYS—Continued

Investigation of Water Supply in Richmond District

Forward		$ 7,605,857.94
Engineers, Draftsmen, etc.	1,016.65	
		1,016.65

TUNNEL ASSESSMENTS

Twin Peaks Tunnel Fund

Salaries—		
Clerical Service (Public Works)	382.50	
Engineers and Draftsmen	18,581.25	
Inspectors	12,717.70	
		31,681.45
Clerical Service $4,475.10 transferred to Tax Collector		
Outlay		
Auto License	8.80	
Auto Supplies and Repairs	357.84	
Carfare	193.60	
Compensation for death of E. A. Duden	4,500.00	
Construction Work	875,374.14	
Electrical Material	49.30	
Insurance Policy	135.00	
Legal Service	1,180.00	
Lithographing Bonds	355.17	
Refund of Taxes	112.50	
Renewal of Leasehold	90.00	
Stationery and Printing	224.00	
Surveyor's Instruments	346.83	
Typewriting Machine	35.53	
		882,962.71

Twin Peaks Total Tunnel Assessment $914,644.16

Stockton St. Tunnel Assessment

Construction of Tunnel	17,667.68	
Repair to Stone Work	247.72	
		17,915.40
Redemption of Delinquent Assessments—		
Twin Peaks	110.00	
		110.00
Stockton St. Tunnel Interest Funds	7,973.31	
		7,973.31
Forward		$ 8,547,517.46

HIGHWAYS—Continued

Forward		$ 8,547,517.46
Polk St. Regrade Assessment Fund—		
Regrading	499.00	
		499.00
Street Improvement Fund—Redemption of Bonds for Construction of Streets	22,779.08	
		22,779.08

Good Roads Fund

Salaries—		
Appraisers	330.00	
Engineers and Draftsmen	11,427.10	
		11,757.10
Compensation, Damage to Property	2,800.00	
Abstract of Title	645.00	
Carfare and Incidentals	172.03	
Construction—		
Portola Drive and Twin Peaks Road	64,668.50	
St. Germain Ave.	1,449.97	
Railroad Ave.	877.50	
		70,613.00

Total Good Roads Fund $82,370.10

Street Assessment Funds

Repairs to Arch St.	5.00	
Repairs to Bixley St.	6.00	
Repairs to Bright St.	5.00	
Repairs to Beverly St.	7.00	
Repairs to Head St.	5.00	
Repairs to Monticello St.	5.00	
Repairs to Orizaba Ave.	29.00	
Repairs to Ralston St.	6.00	
Repairs to Ramsell St.	5.00	
Repairs to Vernon St.	5.00	
Repairs to Victoria St.	5.00	
		83.00

Redemption of Delinquent Assessments

Ralston St.	21.80	
Beverly St.	88.94	
Monticello St.	77.98	
Orizaba St.	59.20	
Forward	$ 247.92	$ 8,653,248.64

HIGHWAYS—Continued

Forward	$ 247.92	$ 8,653,248.64
Bright St.	65.30	
Bixley St.	43.60	
Victoria St.	18.70	
		375.52

Special Inspection Funds

Salaries of Inspectors paid out of moneys deposited by Corporations	18,993.50	
		18,993.50

Maintenance of Bridges

Salaries—		
Engineers	5,729.00	
Watchmen and Bridge Tenders	7,242.50	
		12,971.50
Outlay—		
Structural Engineers, etc., Third St. Bridge	739.25	
Alterations and Construction Third St. Bridge	16,641.36	
		17,380.61
Engineers, Draftsmen, etc., Fourth St. Bridge	7,371.85	
Expense and Construction Fourth St. Bridge	48,091.40	
		55,463.25
Repairs to Kentucky St. Bridge, Alterations	205.94	
		205.94

Total Maintenance of Bridges $86,021.30

STREET LIGHTING

Gas	184,441.79	
Electricity	255,225.06	
		439,666.85
Forward		$ 9,198,305.81

Grand Total Highways $2,731,165.95

CHARITIES AND CORRECTIONS

SAN FRANCISCO HOSPITAL

Forward		$ 9,198,305.81
Salaries—		
Superintendent	3,600.00	
Resident Physician and Assistants	3,217.50	
Internes	1,698.75	
Commissary	1,800.00	
Secretary and Clerk	2,700.00	
Ambulance Drivers	4,800.00	
Watchmen	1,614.50	
Supt. of Nurses and Assistants	25,097.60	
Druggist and Assistants	2,340.00	
Telephone Operators	2,340.00	
Clerk	1,200.00	
X-Ray Operator and Attendant	905.00	
Storekeeper	1,390.00	
Surgical Dresser	1,200.00	
Teamster	960.00	
Elevator Operators	2,675.00	
Cooks and Assistants	4,991.00	
Waiters	5,287.55	
Seamstress and Helpers	915.00	
Housekeeper	480.00	
Institutional Help	23,149.70	
Laundry Employees	3,354.50	
Anaesthetest	900.00	
		96,616.10
Housekeeping Department		
Salaries—		
Steward	1,200.00	
Chambermaids	1,800.00	
Cook	420.00	
Lockerman	520.00	
Utilitymen	1,440.00	
Gardener	900.00	
Yardmen	1,200.00	
		7,480.00
Laundry Department		
Salaries—		
Laundrymen	2,760.00	
		2,760.00
Forward		$ 9,305,161.91

CHARITIES AND CORRECTIONS—Continued

Engineering Department

Forward		$ 9,305,161.91
Salaries—		
Chief Engineer and Assistants	7,304.15	
Firemen	4,160.00	
Electrician	1,500.00	
Plumber	1,800.00	
		14,764.15

Miscellaneous Departments

Salaries—		
Fumigator	300.00	
Morgueman	300.00	
Emergency Stewards	3,600.00	
		4,200.00

Total Salaries and Wages $125,820.25

Expense—		
Auto Supplies	1,576.64	
Cartage	50.00	
Cement and Lime	91.43	
Drugs and Medical Supplies	10,603.86	
Dry Goods and Clothing	10,365.77	
Electrical Supplies	744.50	
Forage	32.33	
Fuel and Oil	10,387.37	
Gas	1,177.74	
Groceries and Provisions	94,128.54	
Horseshoeing	5.50	
Incidentals	656.27	
Janitor Supplies	2,031.85	
Kitchen Supplies	1,368.79	
Laboratory Supplies	209.40	
Lamps	255.04	
Liquors	384.25	
Lumber	630.09	
Music	33.00	
Machinery Supplies	854.73	
Postage	109.50	
Paints and Oils	1,456.62	
Photo and X-Ray Supplies	1,610.40	
Plants and Seeds	273.99	
Forward	$ 139,037.61	$ 9,324,126.06

CHARITIES AND CORRECTIONS—Continued

Forward	$ 139,037.61	$ 9,324,126.06
Plumbing Supplies	391.70	
Rent of Gas Regulator	60.00	
Removal of Garbage	550.00	
Rubber Goods	1,001.62	
Stationery	1,883.88	
Sundry Repairs	74.15	
		142,998.96
Outlay—		
Furniture	1,376.38	
Hardware	2,772.60	
Electric Motor	28.20	
Moving Picture Outfit	200.00	
Food Truck Serving Trays	118.00	
Surgical Instruments	2,888.56	
		7,383.74
Moving Extractors S. F. Hospital	197.34	
		197.34

Total San Francisco Hospital $276,400.29

RELIEF HOME FOR AGED AND INFIRM

Salaries—		
Superintendent	3,600.00	
Clerk	1,503.00	
Stenographer	1,080.00	
Nurses	4,874.01	
Stewards	6,106.66	
Matrons	2,550.00	
Ambulance Driver	960.00	
Warehouseman	1,200.00	
Plumber	1,800.00	
Foreman	957.00	
Watchmen	977.70	
Auto Driver	926.02	
Engineers	3,060.00	
Butcher	1,200.00	
Gardener	1,070.00	
Farmers	1,920.00	
Cooks	6,883.35	
Laundry Employees	1,642.50	
Pantryman and Orderly	1,200.00	
Seamstresses	1,200.00	
Forward	$ 44,710.24	$ 9,474,706.10

CHARITIES AND CORRECTIONS—Continued

Forward	$ 44,710.24	$ 9,474,706.10
Milkers	1,080.00	
Hospital Attendant	378.35	
Institutional Help	17,171.65	
Physicians	3,240.00	
		66,580.24
Expense—		
Auto License	12.80	
Auto Repairs and Supplies	1,944.87	
Boiler Compound	450.00	
Drugs and Medical Supplies	3,498.23	
Dry Goods and Clothing	6,564.35	
Electric Supplies and Lamps	923.59	
Employment Bureau Relief of Unemployed	8,500.00	
Fuel	8,864.86	
Forage	5,816.17	
Groceries and Provisions	102,729.53	
Gas	237.78	
Gasoline	1,752.19	
Gas Regulators (Rent)	148.35	
Horseshoeing and Clipping	410.25	
Incidentals	235.55	
Janitor Supplies	1,071.34	
Laundry Supplies	853.83	
Lime and Cement	929.62	
Lumber	1,201.02	
Postage	112.00	
Paints and Oils	767.28	
Plants and Seeds	473.85	
Pasturage	91.80	
Plumbing Supplies	744.17	
Repairs to Buildings	480.17	
Repairs to Machinery	906.54	
Rubber Goods	274.57	
Shoes and Leather	2,039.37	
Stationery	372.21	
Wagon Repairs	27.82	
Water	1,850.58	
		154,284.69
Outlay—		
Automobiles	890.00	
Furniture	932.38	
Forward	$ 1,822.38	$ 9,695,571.03

CHARITIES AND CORRECTIONS—Continued

Forward	$ 1,822.38	$ 9,695,571.03
Kitchen Equipment	3,195.16	
Cows	435.00	
Dairy Stalls	689.90	
Harness	9.55	
		6,151.99
Construction Work—		
New Floors Relief Home	268.00	
Infirmary Roof Repairs	119.00	
		387.00

Construction Boiler, Relief Home by Board of Public Works

Salaries—		
Draftsman	327.70	
Mechanical Engineer	370.00	
Inspector	50.00	
		747.70
Expense—		
Carfare	1.60	
Construction	1,090.00	
		1,091.60

Total Relief Home $229,243.22

EMERGENCY HOSPITAL

Salaries—		
Chief Surgeon	2,400.00	
Chief Steward	2,100.00	
Clerk-Stenographer	1,200.00	
Assistant Surgeons	15,842.00	
Assistant Stewards	21,400.00	
Nurses	6,912.00	
Matrons	2,880.00	
Seamstress	720.00	
Drivers of Ambulances	14,400.00	
		67,854.00
Relief for Vacations	3,177.25	
		3,177.25
Expense—		
Auto Service	960.00	
Auto Supplies and Repairs	2,620.53	
Drugs and Medical Supplies	2,722.25	
Dry Goods and Clothing	1,487.33	
Gas	568.62	
Equipment Replacement	321.97	
Forward	$ 8,680.70	$ 9,774,980.57

CHARITIES AND CORRECTIONS—Continued

Forward	$ 8,680.70	$ 9,774,980.57
Ice	201.77	
Incidentals	102.91	
Provisions	2,484.15	
Printing and Stationery	543.96	
Postage	45.00	
Phone Service	41.50	
Removing Garbage	120.00	
Rubber Goods	40.58	
Laboratory Supplies	36.94	
Sundry Repairs	351.70	
		12,649.21
Outlay—		
Ambulance	3,000.00	
Surgical Supplies	1,069.38	
Laundry Machine	268.15	
Furniture	605.63	
Lamps	113.94	
Fire Extingiusher	36.72	
Tray Trucks	90.00	
		5,183.82
Potrero Emergency Hospital—Improvements	648.10	
		648.10

Total Emergency Hospital $89,512.38

JUVENILE DETENTION HOME

Salaries—		
Superintendent	1,500.00	
Superintendent's Assistants	2,040.00	
Matrons	1,795.16	
Laundress	480.00	
Nurses	2,476.67	
Seamstress	102.90	
Cook	600.00	
Dentist	140.00	
Extra Help	71.85	
		9,206.58
Expense—		
Drugs and Medical Supplies	418.26	
Dry Goods	534.07	
Electrical Supplies	47.70	
Expended through Order of Court	2,377.49	
Forward	$ 3,377.52	$ 9,802,668.28

CHARITIES AND CORRECTIONS—Continued

Forward	$ 3,377.52	$ 9,802,668.28
Fuel	254.55	
Gas	605.52	
Garbage Removal	30.00	
Groceries and Provisions	5,290.71	
Hardware	334.47	
Ice	76.40	
Incidentals	150.91	
Laundry	25.48	
Stationery and Printing	478.90	
Premium on Bonds	119.80	
Postage	242.50	
Sundry Repairs	91.21	
		11,077.97
Outlay—		
Furniture	85.30	
Fire Extinguisher	28.00	
Surgical Instruments	150.68	
		263.98
Dental Supplies and Material	490.84	
Office Furniture	226.15	
Stationery	15.68	
Dry Goods	85.40	
		818.07

Construction Juvenile Home

Salaries—		
Architect Services	1,666.85	
Mechanical Engineer	27.00	
Structural Engineer	20.00	
Building Inspectors	1,756.45	
Bricklayer Inspectors	322.00	
		3,792.30
Expense—		
Structural Steel	31,150.00	
Excavation	4,400.00	
Blue Prints	166.70	
General Construction	55,875.00	
Electrical Construction	1,440.00	
Heating Construction	1,800.00	
Plumbing Construction	8,025.00	
Elevator Construction	3,000.00	
		105,856.70
Total Construction $109,649.00		
Total Juvenile Detention Home $131,015.60		
Forward		$ 9,924,477.30

CHARITIES AND CORRECTIONS—Continued

JUVENILE COURT

Forward		$ 9,924,477.30
Salaries—		
Probation Officer	2,700.00	
Assistants	18,448.35	
Clerk-Stenographer	1,500.00	
Stenographers	3,060.00	
Collector	1,500.00	
Filing Clerk	600.00	
Deputies	2,880.00	
Legal Adviser	1,200.00	
Bookkeeper	1,080.00	
		32,968.35

Total Juvenile Court $32,968.35

WIDOWS' PENSION BUREAU

Salaries—		
Director	1,800.00	
Assistant Director	1,200.00	
Social Service Nurse	1,200.00	
Stenographer-Bookkeeper	1,080.00	
Special Clerical Service	228.69	
		5,508.69
Expense—		
Carfare	92.96	
Printing Annual Report	78.35	
Furniture	32.40	
Stationery	88.46	
Postage	50.00	
		342.17

Total Widows' Pension Bureau $5,850.86

Burial of Indigent Dead	2,992.50	
		2,992.50
Burial of Ex-Union Soldiers and Sailors	4,550.00	
		4,550.00

MAINTENANCE OF MINORS IN PUBLIC INSTITUTIONS

Expense—		
Albertinum Orphanage	8,039.27	
Boys and Girls Aid Society	7,684.54	
Boys and Girls Industrial Home	2,781.62	
California Girls Training Home	1,100.35	
Forward	$ 19,605.78	$ 9,970,839.01

CHARITIES AND CORRECTIONS—Continued

Forward	$ 19,605.78	$ 9,970,839.01
California George Junior Republic	4.05	
Catholic Humane Bureau	45,414.88	
Children's Agency	45,091.29	
Eureka Benevolent Society	11,813.68	
Fred Finch Orphanage	174.90	
Maud B. Booth Home	5,228.53	
Maria Kip Orphanage	363.00	
McKinley Orphanage	825.00	
Pajaro Valley Orphanage	743.65	
Roman Catholic Orphan Asylum	16,228.23	
Santa Cruz Female Orphanage	1,340.72	
St. Francis Girls Directory	112.20	
S. F. Nursery for Homeless Children	1,028.12	
S. F. Ladies' Protection and Relief Society	1,663.18	
St. Mary's Orphanage	2,716.41	
St. Vincent's Asylum	14,754.37	
The Infant's Shelter	199.65	
The Presbyterian Orphanage	324.82	
The True Love Home	55.00	
The Florence Crittenden Home	316.88	
		168,004.34

MAINTENANCE OF DELINQUENT MINORS

Expense—		
Magdalen Asylum	3,070.50	
State School for Girls (Whittier)	1,379.72	
State School for Boys (Whittier)	291.65	
State School for Boys (Preston)	6,220.94	
		10,962.81

WIDOWS' PENSION FOR AID OF ORPHANS AND HALF-ORPHANS

Expense—		
Catholic Humane Bureau	57,164.24	
Children's Agency	47,307.41	
Eureka Benevolent Society	6,521.55	
		110,993.20
Care of Feeble Minded Children at Glen Ellen	31,910.00	
		31,910.00
Total Maintenance of Minor Children $321,870.35		
Forward		$10,292,709.36

RECREATION

PLAYGROUNDS

Forward		$10,292,709.36
Salaries—		
Superintendent	900.00	
Secretary	1,800.00	
Stenographer	1,200.00	
Directors of Playgrounds	16,555.00	
Caretakers of Playgrounds	2,980.00	
Gardeners	6,516.00	
Swimming Instructors	1,309.34	
Substitutes	3,232.50	
Architects' Services	533.55	
Mechanics	2,372.00	
Professional Services	1,000.12	
Laborers	5,826.00	
		44,224.51
Expense—		
Advertising	16.63	
Auto Supplies and Repairs	1,182.39	
Blacksmithing and Tool Repairs	105.25	
Blue Prints	70.00	
Cartage	86.19	
Cement and Lime	423.05	
Disinfectants and Chemicals	386.59	
Dry Goods	1,187.12	
Electric Material	191.59	
Fuel Oil	38.69	
Gas and Electricity	539.99	
Glass and Glazing	125.37	
Incidentals	116.61	
Loam and Clay	342.00	
Laundry	625.45	
Lumber	426.34	
Music	44.30	
Photo Supplies	31.00	
Paints and Oils	648.12	
Postage	78.25	
Plumbing Material	1,069.21	
Printing and Stationery	230.93	
Rent of Piano	84.75	
Forward	$ 8,049.82	$10,336,933.87

RECREATION—Continued

Forward	$ 8,049.82	$10,336,933.87
Rock, Sand, etc.	97.98	
Rubber Goods	229.43	
Teaming	1,391.22	
Towel Service	75.00	
Scavenger Service	88.70	
Sign Painting	45.25	
Water	3,350.08	
		13,327.48
Outlay—		
Construction of Playgrounds	16,504.61	
Flags and Poles	87.50	
Furniture	298.45	
Sporting Goods	2,858.13	
Wire Fence	1,269.91	
Hardware	1,234.50	
		22,253.10

Total Playgrounds $79,805.09

CELEBRATIONS

Observance of 4th of July	2,500.00	
Observance of Memorial Day	500.00	
		3,000.00
Municipal Concerts	9,999.45	
		9,999.45

Total Celebrations $12,999.45

PARK COMMISSION

Salaries—		
Superintendent	5,700.00	
Secretary	2,100.00	
Accountant	1,500.00	
Stenographer	1,020.00	
Clerk	1,200.00	
Chauffeur	1,500.00	
Keepers	6,594.52	
Surveyors	2,678.50	
Foremen	43,661.65	
Engineers and Firemen	9,144.00	
Curator	2,100.00	
Museum Employees	10,059.65	
Forward	$ 97,258.32	$10,385,513.90

RECREATION—Continued

Forward	$ 97,258.32	$10,385,513.90
Employees Children's Quarters	8,400.60	
Gardeners	14,409.05	
Apprentices	2,035.90	
Carpenters	2,439.00	
Painters	3,532.50	
Teamsters	16,423.25	
Motor Truck Drivers	2,055.05	
Stablemen	3,117.00	
Cement Finishers	2,367.70	
Lavatory Employees	3,350.75	
Laborers	156,256.48	
Blacksmith	1,993.00	
Steam Fitter	1,073.40	
		304,714.00
Expense—		
Advertising	10.93	
Ammunition	354.19	
Auto Supplies and Repairs	1,520.87	
Blue Prints	8.10	
Boiler Compound	500.02	
Cement and Lime	261.28	
Concrete Work	509.60	
Confectionary and Soda	6,923.01	
Cordage	183.88	
Concerts, Musical	10,975.38	
Crockery and Glassware	308.75	
Drugs	497.85	
Dry Goods	309.24	
Electric Supplies	290.99	
Forage	11,456.93	
Freight	28.41	
Flags	61.00	
Fertilizers	483.75	
Farming Implements and Hardware	5,215.25	
Fuel and Fuel Oil	3,118.25	
Gasoline	856.93	
Gas and Electricity	3,869.81	
Groceries and Provisions	9,474.23	
Harness	445.94	
Hose	957.00	
Hauling	2,277.07	
Forward	$ 60,898.66	$10,690,227.90

RECREATION—Continued

Forward	$ 60,898.66	$10,690,227.90
Insurance	62.50	
Incidentals	5,686.03	
Laundry	484.43	
Lumber	3,064.75	
Loam and Clay	3,871.43	
Machinery	1,064.30	
Oils (Crude)	1,450.56	
Paints and Oils	1,655.05	
Paper	159.13	
Plants and Seeds	3,105.12	
Plumbing	2,429.01	
Printing and Stationery	1,267.59	
Rocks and Gravel	1,579.78	
Roofing	87.61	
Rent of Stables	16.00	
Sewer Pipe	175.10	
Veterinary Services	436.59	
Water	20,659.29	
		108,152.93
Outlay—		
Animals	240.00	
Fountains	238.50	
Furniture	128.28	
Garbage Cans	168.00	
Marble Work	786.00	
Metal Work	1,138.50	
Oil Paintings	9,944.50	
Organ	498.00	
Sporting Goods	299.99	
Surveyors' Instruments	31.07	
Wire Fence	848.39	
Truck for Merry-Go-Round	225.00	
		14,546.23
Total Park Commission $427,413.16		
Forward		$10,812,927.06

EDUCATION

Forward		$10,812,927.06
Salaries—Administration:		
Superintendent	3,999.96	
Deputy Superintendents	14,964.00	
School Directors	11,976.00	
Chauffeur	1,500.00	
Secretary	1,800.00	
Clerk Stenographer	1,800.00	
Financial Secretary	2,280.00	
Recording Secretary	2,100.00	
Stenographers	3,838.50	
Telephone Operator	1,104.00	
Messengers	2,404.50	
Expert Accountant	150.00	
		47,916.96
Janitors	116,741.60	
		116,741.60

SHOP AND SUPPLY DEPARTMENT

Salaries—		
Scavenger	4,680.00	
Storekeeper and Assistants	2,880.00	
Supply Department Bookkeeper	1,680.00	
Superintendent of Buildings	2,100.00	
Mechanics and Labor	14,731.75	
Water and Gas Inspector	1,500.00	
		27,571.75

COMPENSATION OF TEACHERS IN PRIMARY AND GRAMMAR DAY SCHOOLS

Salaries—		
Adams	21,477.10	
Agassiz	22,200.30	
Andrew Jackson	2,067.65	
Balboa	20.00	
Bay View	18,277.10	
Bernal	22,296.60	
Bryant	22,560.05	
Buena Vista	7,889.40	
Burnett	14,046.60	
Forward		$11,005,157.37

EDUCATION—Continued

Forward		$11,005,157.37
Cleveland	14,289.35	
Columbia	25,429.80	
Columbus	7,439.15	
Cooper	24,103.70	
Crocker	21,898.80	
Daniel Webster	11,170.75	
Denman	15,756.60	
Detention Home	1,172.90	
Douglass	13,629.60	
Dudley Stone	15,579.85	
Edison	17,826.10	
Emerson	15,785.90	
Ethan Allen	4,936.00	
Everett	23,232.00	
Fairmont	31,495.15	
Farragut	12,731.25	
Franklin	17,907.45	
Francis Scott Key	8,558.60	
Fremont	18,366.70	
Garfield	21,588.00	
Glen Park	20,393.55	
Golden Gate	17,236.80	
Grant	13,639.40	
Grattan	23,063.10	
Haight	17,195.05	
Hamilton	23,027.65	
Hancock	22,076.10	
Harrison	3,923.00	
Hawthorne	11,952.30	
Hearst	20,186.90	
Henry Durant	16,191.55	
Horace Mann	29,326.00	
Hunters Point	1,427.15	
Irving M. Scott	13,718.55	
James Lick	20,109.20	
Jean Parker	21,297.65	
Jefferson	8,285.90	
John Swett	22,525.25	
Junipero Serra	22,462.35	
Kate Kennedy	17,007.15	
Forward		$11,005,157.37

EDUCATION—Continued

Forward		$11,005,157.37
Kindergarten	3,429.00	
Lafayette	7,538.00	
Laguna Honda	23,254.20	
Le Conte	2,106.75	
Lincoln	12,758.10	
Longfellow	10,604.45	
Madison	17,621.20	
Mission Grammar	19,163.80	
Marshall	18,939.15	
McCoppin	22,684.25	
McKinley	21,979.10	
Monroe	29,876.80	
Moulder	7,125.65	
Noe Valley	20,928.85	
Oriental	15,150.60	
Pacific Heights	18,470.95	
Patrick Henry	11,300.70	
Parkside	2,136.00	
Paul Revere	635.15	
Peabody	12,854.20	
Portola	17,362.90	
Redding	13,701.85	
Rincon	1,996.70	
Rochambeau	18,975.15	
Roosevelt	19,479.55	
Sheridan	17,909.30	
Sherman	14,754.90	
Spring Valley	21,033.60	
Starr King	9,747.20	
Sunnyside	6,789.20	
Sutro	21,147.75	
Visitacion	10,014.35	
		1,250,256.40
Ungraded Primary	1,492.00	
Washington	23,792.45	
Washington Irving	12,072.75	
Winfield Scott	9,669.15	
Yerba Buena	14,563.60	
		61,589.95
Forward		$12,317,003.72

EDUCATION—Continued

PRIMARY AND GRAMMAR EVENING SCHOOLS

Forward		$12,317,003.72
Bernal	551.50	
Commercial	12,781.50	
Hamilton	5,583.95	
Horace Mann	7,000.40	
Jean Parker	1,141.35	
Lincoln	5,745.25	
Monroe	648.00	
North Beach	768.00	
Navigation	865.85	
Portola	660.00	
Roosevelt	432.00	
Sherman	1,322.30	
Sheridan	600.35	
Washington	5,879.35	
		43,979.80

HIGH SCHOOLS

Girls	42,875.60	
Humboldt	28,294.90	
Lowell	62,578.20	
Mission High	35,957.60	
Polytechnic	56,314.50	
High School of Commerce	46,747.35	
		272,768.15

DEPARTMENT AT LARGE

Home Economics	12,958.65	
Manual Training	15,541.00	
Music	4,309.40	
Drawing	5,382.05	
Physical Culture	1,171.20	
Athletics	11,951.50	
Social Center	1,896.50	
Lectures	30.25	
		53,240.55
Substitutes	65,201.75	
		65,201.75
Expert Examiners—Teachers' Examination	225.00	
		225.00
Forward		$12,752,418.97

EDUCATION—Continued

Forward		$12,752,418.97
Teachers' Contribution—Pension Fund	16,570.00	
		16,570.00
Teachers' Institute Fund Expense	1,162.00	
Teachers' Institute Books, Sundries	226.65	
		1,388.65
Expense—		
Advertising	123.04	
Adding Machine	294.00	
Automobile	850.00	
Auto Repairs	185.63	
Auto License	15.20	
Athletic and Social Center Equipment and Supplies	2,625.84	
Books	5,122.09	
Carfare	362.81	
Cartage	1,845.92	
Cabinets and Furniture	21,731.42	
Clocks	1,282.90	
Cordage	424.95	
Dry Goods and Millinery	1,392.69	
Expense to Teachers' Convention	126.95	
Fuel and Oil	17,685.31	
Flags	151.88	
Gas and Electricity	8,708.24	
Groceries	2,667.36	
Hardware and Electric Material	3,637.65	
Incidentals	658.42	
Insurance	878.55	
Janitors' Supplies and Window Cleaning	9,089.19	
Kindergarten Supplies	1,603.90	
Lumber	3,909.30	
Laboratory Supplies	3,447.41	
Livery and Auto Service	960.00	
Printing and Stationery	24,331.41	
Pianos	2,262.75	
Plans for Fire Escapes	222.80	
Piano Repairs	169.84	
Paints	593.22	
Rents	1,595.60	
Forward	$ 118,956.27	$12,770,377.62

EDUCATION—Continued

Forward	$ 118,956.27	$12,770,377.62
Sundry Repairs	1,862.76	
Sewing Machines	350.00	
Typewriters	250.10	
Water	12,408.47	
		133,827.60

EQUIPMENT POLYTECHNIC HIGH SCHOOL

Mechanics and Labor	293.50	
		293.50
Baskets	109.88	
Brushes	78.90	
Books	556.13	
Casts of Plaster	771.19	
Cafeteria Equipment	1,280.00	
Cash Register	199.50	
Cabinets and Furniture	27,552.51	
Cartage	367.06	
Charts and Maps	391.35	
Drawing Material	1,683.91	
Dress Forms and Models	415.93	
Dry Goods	166.62	
Electric Supplies	653.39	
Express Charges	11.98	
Engine Supplies	604.64	
Glass Lights	55.00	
Hardware	3,792.48	
Laboratory Supplies	7,749.19	
Loam	41.00	
Lumber	535.49	
Mathematical Instruments	156.60	
Machinery and Machine Tools	3,092.65	
Motor	683.00	
Neostyles	46.50	
Piano	325.00	
Paints and Oils	168.17	
Phonographs	178.50	
Plumbing Supplies	898.52	
Photo Supplies	614.00	
Physical Apparatus	1,569.71	
Repairs to Drum	60.16	
Stationery and Filing Supplies	440.58	
Forward	$ 55,249.54	$12,904,498.72

EDUCATION—Continued

Forward	$ 55,249.54	$12,904,498.72
Sewing Machines	434.20	
Steel Lockers	3,256.00	
Typewriter	50.00	
Automobile	675.00	
		59,664.74
Linoleum Polytechnic High School	14,880.00	
		14,880.00

COMPLETION POLYTECHNIC HIGH SCHOOL

Inspectors	443.80	
		443.80
Expense—		
Construction	33,054.25	
Blue Print Paper	67.90	
Carpenter Work	305.00	
Electrical Wiring	7,340.00	
Extra Concrete Work	27.60	
Hardware	4,923.00	
Heating and Ventilation	3,010.00	
Plumbing	7,761.00	
Table	90.00	
		56,578.75

REPAIRS TO SCHOOL BUILDINGS

Salaries—		
Carpenters	21,382.75	
Cement Finishers	9,929.00	
Glaziers	2,523.75	
Painters	15,125.75	
Plumbers	12,954.50	
Tinners	9,336.00	
Wiremen	605.85	
Locksmith	1,500.00	
Laborers	1,833.00	
Side Sewer Men	303.90	
Teams	3,752.77	
		79,247.27
Expense—		
Asphalt	871.00	
Boiler Repairs	386.79	
Carfare	943.80	
Cement, Sand and Rock	2,408.99	
Forward	$ 4,610.58	$13,115,313.28

EDUCATION—Continued

Forward	$ 4,610.58	$13,115,313.28
Chimneys	620.00	
Electric Supplies	531.32	
Glass	2,057.75	
Gasoline	67.70	
Hardware	6,370.30	
Lumber	13,676.47	
Paints and Oils	5,402.16	
Plumbing Supplies	3,661.14	
Roofing	2,366.21	
Steel	190.08	
Sundry Repairs	570.06	
Spring Valley Water Pipe	166.73	
New Side Sewers	47.28	
		40,337.78

Total Repairs $119,585.05

REDDING SCHOOL (CONSTRUCTION)

Salaries—		
Architect Services	5,310.13	
Carpenters	333.90	
Laborers	107.25	
Plumbers	39.00	
Teams	92.50	
Tinners	18.00	
Inspectors	953.03	
Bricklayers	357.00	
		7,210.81
Expense—		
Blue Print Paper	161.15	
Typing Specifications	31.02	
Hardware	5.52	
Lumber	66.63	
Plumbing Supplies	9.11	
New Side Sewer	50.60	
Construction	54,504.60	
		54,828.63

Total $62,039.44

DANIEL WEBSTER SCHOOL

Outlay—		
Architect Services	4,583.97	
Blue Print Paper	92.40	
Forward	$ 4,676.37	$13,217,690.50

EDUCATION—Continued

Forward	$ 4,676.37	$13,217,690.50
Purchase Land	53,907.50	
Appraisement	500.00	
Title Insurance	379.50	
		59,463.37

Total $59,463.37

PURCHASE OF LAND BOARD OF EDUCATION

Land	6,650.00	
Title Insurance	80.00	
		6,730.00

LAND FOR ADAMS, FREMONT AND HANCOCK SCHOOLS

Adams School—		
Purchase Land	24,750.00	
Appraising and Title Insurance	580.00	
Taxes	198.88	
		25,528.88
Fremont School—		
Purchase Land	3,300.00	
Title Insurance	33.50	
		3,333.50
Hancock School—		
Purchase Land	15,500.00	
Appraising	55.00	
		15,555.00

Total for Adams, Fremont and Hancock Schools $44,417.38.

DEMANDS AUDITED AND PAID OUT OF GENERAL FUND

Removing and Reconstructing School Buildings Pine and Larkin		
Mechanics and Labor	774.10	
		774.10
Auto Supplies, Superintendent of Schools	33.50	
Auto License, Superintendent of Schools	14.40	
Traveling Expenses, Superintendent of Schools	534.88	
Furniture, Superintendent of Schools	497.50	
Premium on Bonds	62.50	
		1,142.78

Total Schools $2,517,291.07

Forward	$13,330,218.13

EDUCATION—Continued

LIBRARY FUND

Forward		$13,330,218.13
Salaries—		
Librarian	3,000.00	
Secretary	3,000.00	
Assistant Secretary	1,136.45	
Branch Superintendent	1,180.00	
Stenographer	1,080.00	
Librarians, Branches	7,096.10	
Office Assistants	18,870.20	
Keepers and Assistants	6,011.05	
Pages	3,053.95	
Cataloguers	4,070.90	
Helpers	40.30	
Book Repairers	1,029.70	
Special Officer	1,020.00	
Messenger	902.50	
Curators	3,808.50	
		55,299.65
Expense—		
Auto Supplies and Repairs	658.43	
Binding Books and Binders	8,651.50	
Catalogue Cards	400.00	
Cleaning Supplies	438.60	
Dues	10.00	
Electric Supplies	212.40	
Fuel	829.46	
Gas	61.54	
Gasoline	88.65	
Insurnace	870.60	
Incidentals	1,221.80	
Plumbing Supplies	59.97	
Printing and Stationery	3,224.23	
Rent of Branches	1,845.00	
Rubber Goods	29.75	
Subscription to Papers	404.58	
Sundry Repairs	279.65	
Towel Service	72.00	
Water	705.43	
		20,063.61
Forward		$13,405,581.39

EDUCATION—Continued

Forward		$13,405,581.39
Outlay—		
Books	28,268.29	
Cabinets	733.45	
Furniture	1,739.38	
Fire Extinguisher	75.60	
Lamps	305.69	
Typewriting Machine	83.50	
		31,205.91

Total Library Fund $106,569.17

MISCELLANEOUS ACCOUNTS

Expense, Collection of Coupons at New York	1,068.95	
Expense, Premium on Bonds, Crocker National Bank, New York	1,794.45	
Miscellaneous Printing, Typing and Adding Machines	3,715.65	
Printing License Blanks, etc.	4,897.36	
		11,476.41
Forward		$13,448,263.71

PUBLIC UTILITIES

CONDEMNATION SPRING VALLEY WATER CO.'S SUIT

Forward		$13,448,263.71
Salaries—		
Engineers' Services	29,242.62	
Expert Hydrographer	200.00	
Stenographers	3,160.50	
Accountants	3,271.00	
Draftsman	285.00	
		36,159.12
Expense—		
Abstract	20.35	
Auto Hire	61.00	
Appraisements and Securing Data	13,290.35	
Court Fees	34.10	
Reporting and Transcribing Testimony for Use of Counsel	12,380.75	
Heater	5.50	
Livery	40.50	
Maps	34.53	
Rent of Security Box	5.50	
Rent of Typewriter	69.50	
Rent of Calculating Machine	78.50	
Rent of Office	65.50	
Stationery	531.77	
Typewriting Machine	83.03	
		26,700.88

Total Condemnation Spring Valley Water Company's Suit $62,860.00

EXTENSION MUNICIPAL WATER WORKS

Salaries—		
Engineer	825.00	
Draftsmen	65.80	
Inspector	160.00	
Mechanics and Labor	18.00	
Watchman	90.00	
		1,158.80
Forward		$13,512,282.51

PUBLIC UTILITIES—Continued

Forward		$13,512,282.51
Outlay—		
Carfare and Incidentals	133.52	
Pumps	349.00	
Distributing System (Installing)	4,725.77	
		5,208.29

Total $6,367.09

WATER WORKS FUND

Salaries—		
Engineers	1,737.50	
Inspector	1,035.00	
Clerk	157.50	
Quarry Driller	522.00	
Serviceman	972.00	
		4,424.00
Expense—		
Hardware	601.87	
Horse Hire	144.25	
Electric Current	1,576.80	
Machinery and Pipe	291.23	
Teaming	887.25	
Printing	8.30	
Rebate Service Connection	20.00	
		3,529.70

Total $7,953.70

MUNICIPAL RAILWAY

Salaries—		
Superintendent	4,999.81	
Assistants	4,500.00	
Adjuster	3,000.00	
Master Mechanic	2,100.00	
Cashier Clerk	1,500.00	
Clerks	19,395.90	
Stenographers	3,356.45	
Expert Accountant	1,291.00	
Telephone Operator	1,152.17	
Armature Maker	588.95	
Blacksmiths	5,423.85	
Carpenters	2,874.70	
Draftsmen	3,819.40	
Forward	$ 54,002.23	$13,525,444.50

PUBLIC UTILITIES—Continued

Forward	$ 54,002.23	$13,525,444.50
Electric and Civil Engineers	3,748.20	
Foremen	1,932.85	
Janitor	1,080.00	
Laborers	2,541.45	
Linemen and Wiremen	10,251.50	
Machinists	3,191.40	
Painters	15,609.20	
Repairers of Cars	45,039.85	
Trackmen	64,804.20	
Teamster	858.15	
Inspectors	26,528.05	
Conductors	311,593.60	
Motormen	296,539.55	
		837,720.23
Expense—		
Auto Hire	638.79	
Axle Collars	433.32	
Brake Shoes	10,231.38	
Brushes	181.82	
Basalt Blocks	319.74	
Burial of Ricardo Maria	60.00	
Car Repairs and Equipment	9,714.39	
Cement	1,350.64	
Compensation for Damages	11,176.35	
Drugs and Chemicals	454.33	
Electric Supplies	6,578.21	
Electric Power	264,567.67	
Engine Supplies	532.08	
Flags and Signals	103.07	
Furniture	455.90	
Fuel	365.60	
Forage	384.62	
Freight	10.30	
Garbage Removal	126.35	
Glass	422.66	
Gas	454.19	
Gasoline	262.19	
Hardware	3,568.27	
Horseshoeing	115.50	
Harness and Leather	152.21	
Forward	$ 312,659.58	$14,363,164.73

PUBLIC UTILITIES—Continued

Forward	$ 312,659.58	$14,363,164.73
Lamps	213.06	
Contingent Expense and Incidentals	3,699.83	
Iron and Steel	3,231.24	
Repairing Streets	40.75	
Janitor Supplies	1,216.44	
Detective Service	247.10	
Legal Expenses	2,934.38	
Livery	41.00	
Lumber	678.64	
Machinery	581.54	
Printing and Stationery	8,050.40	
Premium on Insurance	621.64	
Postage	280.00	
Paper	257.60	
Paints and Oils	7,871.94	
Pasturage	66.00	
Rebate on Taxes	549.70	
Rents	1,279.00	
Register Repairs	24.00	
Repairs to Tracks	6,699.47	
Rubber Goods	271.57	
Springs	235.72	
Transfers Redeemed	18,658.11	
Telephone Service	597.65	
Teaming	3,940.75	
Trolley Frogs	1,268.57	
Terminal Expenses at Ferry	1,855.11	
Veterinary Service	101.00	
Water	2,064.57	
Lease of Land	144.44	
		380,370.80
Outlay—		
Armature Coils	397.50	
Adding Machine	665.00	
Appraisement of Land	271.50	
Purchase of Land	59,660.00	
Watch	32.00	
Wire and Cable	3,094.40	
		64,120.40
Total Municipal Railway $1,282,211.43		
Forward		$14,807,655.73

PUBLIC UTILITIES—Continued

Municipal Railway Investment and Depreciation Fund

Forward		$14,807,655.73
Depreciation Fund Purchase of Bonds	135,158.62	
		135,158.62
Investment Fund Purchase of Matured Bonds	138,878.38	
		138,878.38
Forward		$15,081,692.93

PUBLIC TRUST FUNDS

Forward		$15,081,692.93
Police Relief and Pension Fund—		
Salary of Secretary	600.00	
Pensions of Retired Officers	101,939.90	
Contribution Returned	3,394.00	
Rewards to Officers	240.00	
Medical Examinations	100.00	
		106,273.90
Firemen's Relief and Pension Fund—		
Salary of Secretary	600.00	
Pensions of Retired Firemen	107,283.01	
		107,883.01
Robinson Bequest Fund—		
Money Advanced on Securities	40,000.00	
		40,000.00
Robinson Bequest Interest Fund—		
Charitable Contributions	1,644.45	
		1,644.45
Windel Bequest Interest Fund—		
Charitable Contributions	800.00	
		800.00
Total Public Trust Funds $256,601.36		
Forward		$15,338,294.29

PRIVATE TRUST FUNDS—MONEYS REFUNDED

Forward		$15,338,294.29
Absent Heirs' Fund—Money Paid by Order of Court	440.92	
Absent Creditors' Fund—Money Paid by Order of Court	12.50	
County Clerk's Special Fund—Money Paid by Order of Court	110,572.40	
Bail Money—Money Paid by Order of Court	714,690.00	
Duplicate Taxes	5,022.20	
House Moving Fund, Dept. of Public Works	2,000.00	
House Moving Fund, Dept. Electricity	413.15	
Special Permit Fund	46,521.00	
Special Badge Fund	780.00	
State Institution Taxes—Money Paid to State of California	1,261,111.50	
Overpayment Corporation Taxes	6.00	
Excavation Funds	5,426.45	
Tearing Up Street Fund Refunds	23,835.20	
		2,170,831.32
Forward		$17,509,125.61

MISCELLANEOUS REFUNDS

Forward		$17,509,125.61
Money Paid in Error and Refunded—		
Board of Health Fees	10.00	
County Clerk Fees	12.00	
Coroner, Money Found on Deceased Persons	115.10	
Forfeited Bail Money	262.00	
Fines of Police Court	210.00	
Fines for Violating State Ordinances	5,552.50	
Overpayment by Juvenile Court	49.75	
Sheriff's Fees	94.20	
Supervisors' Fees	382.00	
Tax Collector's License	10.50	
Taxes Paid in Error	1,694.07	
Taxes Uncollectible—Cancelled by Tax Collector	539.19	
		8,931.31
Forward		$17,518,056.92

TEARING UP STREETS FUND

Forward		$17,518,056.92
Salaries—		
Clerks	1,650.00	
Inspectors	2,400.00	
Sidesewermen	25,309.10	
		29,359.10
Expense—		
Repairs to Trenches	6,410.35	
Hardware	148.05	
Hauling	13.05	
Lamps	36.52	
Lumber	405.98	
Livery	480.00	
Oil	21.91	
Rubber Goods	24.30	
Teaming	2,379.00	
Tools and Repairs	209.99	
		10,129.15

Refund on Street Permits $23,835.20 (See Refund)

Total Tearing Up Street Fund $39,488.25

Forward		$17,557,545.17
Forward		

BOND INTEREST AND REDEMPTION FUND

INTEREST ACCOUNT

Forward		$17,557,545.17
School Bonds 1904	23,679.25	
Street Bonds 1904	19,138.00	
Jail Bonds 1904	3,349.50	
Library Bonds 1904	29,071.00	
Playgrounds Bonds 1904	19,213.25	
Park Extension Bonds 1904	8,466.50	
Mission Park Bonds 1904	7,537.25	
Fire Protection Bonds 1908	258,275.00	
Sewer Bonds 1908	197,375.00	
School Bonds 1908	236,600.00	
Hospital Bonds 1908	87,125.00	
Hall of Justice Bonds 1908	40,975.00	
Garbage Bonds 1908	32,900.00	
Geary St. Bonds 1910	82,642.50	
Market St. Bonds 1910	3,195.00	
Polytechnic High School Bonds 1910	24,795.00	
Hetch Hetchy Bonds 1910	79,605.00	
City Hall Bonds 1912	440,225.00	
Exposition Bonds 1912	131,525.00	
Municipal Railway Bonds 1913	200,812.50	
Hospital and Jails Bonds 1913	48,487.50	
		1,974,992.25

REDEMPTION

Seewr Bonds 1904	181,200.00	
School Bonds 1904	89,800.00	
Street Bonds 1904	40,500.00	
Jail Bonds 1904	17,400.00	
Library Bonds 1904	41,100.00	
Playground Bonds 1904	18,500.00	
Park Extension Bonds 1904	8,200.00	
Mission Park 1904	7,300.00	
Sewer Bonds 1908	100,000.00	
School Bonds 1908	200,000.00	
Hospital Bonds 1908	100,000.00	
Hall of Justice Bonds 1908	50,000.00	
Garbage Bonds 1908	50,000.00	
Forward		$19,532,537.42

BOND INTEREST AND REDEMPTION FUND—Continued

Forward		$19,532,537.42
Geary St. Bonds 1910	95,000.00	
Market St. Bonds 1910	6,000.00	
Polytechnic High School Bonds 1910	25,000.00	
Exposition Bonds 1912	6,000.00	
Hospital and Jail Bonds 1913	100,000.00	
		1,136.000.00

Total Bond Interest Redemption Fund $3,110,992.25

Forward	$20,668,537.42

MUNICIPAL BOND FUNDS

PUBLIC BUILDING SCHOOL BONDS 1904

Forward		$20,668,537.42
Construction McKinley School	955.00	
Construction Glen Park School	132.25	
Purchase of Land 22nd and Shotwell	2,750.00	
Insurance	20.00	
		3,857.25

Total Public Building School Bonds 1904, $3,857.25

PUBLIC BUILDING SCHOOL BONDS 1908

Columbus School — Furniture and Equipment	194.98	
		194.98
Glen Park School—Furniture and Equipment	84.20	
		84.20
Washington Irving School—Furniture and Equipment	776.20	
		776.20
Oriental School—		
Construction	576.85	
Equipment	10,579.97	
		11,156.82
Cooper School—		
Architect	492.55	
Construction	29,804.26	
Equipment	4,887.00	
		35,183.81
Purchase of Lands San Jose Ave. and Bank St.	16,262.00	
		16,262.00
Insurance	205.00	
		205.00
Moving Building	110.00	
		110.00
Salaries—		
Inspectors	380.16	
Draftsman	18.65	
Forward	$ 398.81	$20,736,367.68

MUNICIPAL BOND FUNDS—Continued

Forward	$ 398.81	$20,736,367.68
Engineer	266.00	
Cement Finisher	26.75	
		691.56

Total Public Building School Bonds
1908 $64,664.57

LIBRARY BONDS 1904

Salaries—		
Architect Services	10,000.00	
Superintendent of Construction	2,132.70	
Consulting Engineer	200.00	
Clerks	170.05	
Inspectors of Bricklaying	906.50	
		13,409.25
Expense—		
Excavating Site	13,588.87	
Structural Steel	102,511.59	
Granite Work	118,500.00	
General Construction	136,617.00	
Advertising	44.66	
		371,262.12

Total Library Bonds 1904 $384,671.37

SEWER BONDS 1904

Salaries—		
Civil Engineers	1,315.00	
Chemist	250.00	
Draftsmen	249.25	
Inspectors	1,470.00	
Field Assistant	125.00	
Engineer H. and P.	30.00	
Appraiser	50.00	
Insurance Policy	25.00	
		3,514.25
Expense—		
Purchase of Rights of Way	1,700.00	
Carfare	7.25	
Constructing Sewer Fulton St. and 48th Ave.	9,063.66	
Constructing Sewer Foerster and Melrose Ave.	2,469.32	
Forward	$ 13,240.23	$21,125,244.86

MUNICIPAL BOND FUNDS—Continued

Forward	$ 13,240.23	$21,125,244.86
Constructing Sewer 5th St., Howard to Brannan	66,261.90	
Constructing Sewer Bakers Beach	18,263.94	
Constructing Sewer North Point St., Main Sewer	28,552.89	
Castings	268.92	
		126,587.88

Total Sewer Bonds 1904 $130,102.13

SEWER BONDS 1908

Salaries—		
Civil Engineer	796.25	
Field Assistant	780.00	
Chemist	241.65	
Draftsman	140.05	
Inspectors	1,637.50	
Stenographer	25.00	
Appraiser	50.00	
Machinist	48.95	
		3,719.40
Expense—		
Construction of Sewer Mile Rock Tunnel	114,296.47	
Construction of Sewer Fulton St. and 48th Ave.	841.88	
Engine Supplies	52.27	
Electric Supplies	15.22	
Paints and Oils	2.43	
Machinery	520.16	
Rubber Boots	8.10	
Gas	414.57	
Rent of Motor	6.65	
Electric Current	235.32	
Carfare	14.05	
		116,407.12

Total Sewer Bonds 1908 $120,126.52

GARBAGE BONDS 1908

Salaries—		
Engineer Mechanical	900.00	
Stenographer	77.50	
		977.50
Forward		$21,372,936.76

MUNICIPAL BOND FUNDS—Continued

Forward		$21,372,936.76
Expense—		
Carfare	3.30	
Copying Brief	100.00	
Plans	22.00	
		125.30

Total Garbage Bonds 1908 $1,102.80

MARKET ST. MUNICIPAL RAILROAD BONDS 1910

Construction of Foundation Tank Geary St.	595.00	
Premium on Bond	20.00	
Construction of Loop Embarcadero	2,058.50	
		2,673.50

Total Market St. Municipal R. R. Bonds 1910 $2,673.50

GEARY ST. RAILWAY BONDS 1910

Salaries—		
Civil Engineer	364.65	
Chemist	25.00	
Draftsman	283.35	
Inspectors	896.90	
Mechanical Engineer	198.75	
		1,768.65
Expense—		
Asbestos	308.84	
Ammunition	8.61	
Blue Prints	22.00	
Bonus Paid on Car Barn	960.00	
Constructing Car Barn	26,788.62	
Concrete Work	116.40	
Carfare	5.65	
Electric Material	48.50	
Furniture	165.35	
Hand Truck	16.20	
Hardware	225.20	
Mimeograph	90.00	
Typewriter	47.48	
Tank and Tower	1,249.00	
		30,051.85

Total Geary St. Ry. Bonds 1910 $31,820.50

Forward	$21,407,556.06

MUNICIPAL BOND FUNDS—Continued

HETCH HETCHY BONDS 1910

Forward		$21,407,556.06
Salaries—		
Axemen	2,449.20	
Blacksmiths	2,480.90	
Bond Expert	870.00	
Civil Engineer	6,607.60	
Constructing and Consulting Engineers	7,708.58	
Cabin Builders	1,323.75	
Clerk	387.00	
Cooks	944.00	
Draftsmen	6,180.85	
Estimator	1,723.70	
Foremen	5,051.60	
Field Assistants	10,136.70	
Geologist	413.35	
Hydrographer	8,142.32	
Heading Drillers	7,548.75	
Inspectors	1,160.45	
Laborers	54,416.25	
Master Mechanic	166.50	
Photographers	286.20	
Stenographers	5,534.45	
Surveyors	2,906.00	
Timbermen and Loggers	4,388.97	
Services Acquiring Rights of Way	2,244.33	
		133,071.45
Expense—		
Abstracts	270.72	
Assessment	25.00	
Automobile	600.00	
Auto License	8.80	
Auto Services	689.36	
Auto Exchanged	275.00	
Account Depreciation of Auto	600.00	
Cartage and Transportation	12,192.06	
Cash Advanced	87.15	
Carfare and Engineers' Incidentals	1,006.73	
Camp Equipment	3,055.41	
Clearing Reservoir Site	20,165.03	
Culvert Pipe	577.71	
Forward	$ 39,552.97	$21,540,627.51

MUNICIPAL BOND FUNDS—Continued

Forward	$ 39,552.97	$21,540,627.51
Cutting Timber U. S.	854.90	
Construction of Railroad	163,139.26	
Cement	11,029.80	
Drugs	88.90	
Dynamite and Powder	11,654.19	
Electric Supplies	396.89	
Expense Investigating Water Supply	10,599.88	
Fuel	585.30	
Furniture	277.38	
Forage	2,188.22	
Freight Charges	534.40	
Groceries and Provisions	8,128.81	
Hardware	6,828.74	
Harness	8.23	
Horseshoeing	84.47	
Insurance	3,551.97	
Legal Expenses	5,510.35	
Machinery and Supplies	16,694.53	
Millwork	539.13	
Oil and Gasoline	566.12	
Purchase of Land	15,000.00	
Printing Bonds	700.00	
Repairs to Roads	1,283.23	
Rubber Goods	355.24	
Rent of Building	388.65	
Surveyors' Instruments	1,828.10	
Stationery	1,211.08	
State Ins. Compensation	200.00	
Tents	253.70	
Taxes	4,684.09	
Typewriter	47.90	
Telephones	58.51	
Well Boring	8,006.89	
Wagon Material	682.26	
		317,514.09

Total Hetch Hetchy Bonds 1910 $450,585.54

CITY HALL AND CIVIC CENTER BONDS 1912

Salaries—		
Architect Services	33,526.00	
Appraising	500.00	
Forward	$ 34,026.00	$21,858,141.60

MUNICIPAL BOND FUNDS—Continued

Forward	$ 34,026.00	$21,858,141.60
Building Inspectors	4,221.00	
Bricklayer Inspectors	882.15	
Mechanical Engineer	139.00	
Carpenters	1,253.50	
Elevator Operators	40.65	
Foremen	104.00	
Painters	49.00	
Plumbers	30.00	
Tinners	57.25	
Wiremen	15.00	
Laborers	334.82	
		41,152.37
Expense—		
Abstract	55.00	
Blue Prints	39.83	
Curbing	673.98	
Electric Clocks	3,934.60	
Electrical Work	3,027.29	
Elevators	22,500.00	
Fireproofing	13,055.34	
Freight on Stone	9,208.27	
Freight on Steel	616.20	
Fuel Oil	214.86	
Furniture	10,014.67	
Grading	1,932.00	
Glass and Glazing	14,277.25	
Granite Work	386,184.80	
Hardware	16,850.75	
Heating Plant	32,470.48	
Installing Pipe	134.00	
Iron and Bronze Work	89,472.69	
Interior Stone Work	72,643.99	
Lighting	527.00	
Machinery Repairs	125.95	
Marble Work	190,674.86	
Mailing Chutes	2,400.00	
Masonry	48,645.40	
Metal Work	71,572.37	
Millwork	144,296.87	
Plaza	1,185.65	
Forward		$21,899,293.97

MUNICIPAL BOND FUNDS—Continued

Forward		$21,899,293.97
Painting	25,084.61	
Plastering	76,899.31	
Plumbing	17,159.14	
Roofing	45,229.25	
Sewer Work	2,193.03	
Sign Painting	300.00	
Sidewalks	4,375.69	
Teaming	208.05	
Tube System	43,449.36	
Vaults	151.00	
Water Supply	1,264.94	
		1,353,048.48

Total City Hall and Civic Center Bonds 1912 $1,394,200.85

POLYTECHNIC HIGH SCHOOL BONDS 1910

Salaries—		
Inspector	19.35	
Mechanical Engineer	364.00	
		383.35
Expense—		
Boiler	15,062.00	
Construction Extra Work	2,079.15	
Elevator Installing	5,100.00	
Fuel Oil	34.15	
Furniture	139.45	
Fence	450.00	
Lighting Fixture	1,500.00	
Plumbing	1,659.10	
		26,023.85

Total Polytechnic High School Bonds 1910 $26,407.20

MUNICIPAL RAILWAY BONDS 1913

Salaries—		
Appraising	700.00	
Clerks	202.50	
Engineers and Draftsmen	21,242.90	
Inspectors	5,439.00	
Labor and Service	1,395.63	
		28,980.03
Forward		$23,307,729.68

MUNICIPAL BOND FUNDS—Continued

Forward		$23,307,729.68
Expense—		
Auto Repairs	62.00	
Auto Truck	2,165.00	
Basalt Blocks	135.37	
Bonus	2,220.00	
Construction of Church St. Line	191,922.40	
Electric Current	203.51	
Fuel and Fuel Oil	134.31	
Incidentals	643.51	
Insurance Policy	1,321.90	
Motor Engines and Supplies	10,014.75	
Moving and Constructing Fire Building	8,738.54	
Purchsae of Cars	21,750.00	
Redwood Ties	4,889.60	
Steel Sand Bins	2,035.00	
Steel Lockers	2,820.00	
Surveyors' Supplies	249.69	
		249,305.58

Total Municipal Railway Bonds 1913 $278,285.61

HOSPITAL AND JAIL BONDS 1913

Salaries—		
Architect Services	25,681.03	
Building Inspectors	3,658.90	
Mechanical Engineer	378.00	
Mechanics and Labor	3,095.87	
		32,813.80
Expense—		
Cleaning Windows	365.00	
Construction Pathological Hospital	54,896.29	
Construction Refrigerator Room	2,451.50	
Elevators	11,956.03	
Extra Work Jails	10,060.30	
Furniture and Equipment	9,963.89	
General Construction Buildings	87,094.40	
Hospital Equipment	5,397.87	
Heating and Ventilating	3,226.00	
Harness	10.50	
Hardware and Electric Supplies	3,295.14	
Forward		$23,589,849.06

MUNICIPAL BOND FUNDS—Continued

Forward		$23,589,849.06
Moving Tubercular Hospital	6,516.00	
Machinery	3,569.00	
Medical Appliances	2,183.72	
Surgical Instruments	3,864.47	
X-Ray Apparatus	2,336.59	
Rock and Sand	272.95	
Scales	403.00	
Stationery	258.66	
Ward Carriages	423.30	
		208,544.61

Total Hospital and Jail Bonds 1913 $241,358.41

FIRE PROTECTION BONDS 1908

Assistant Mechanical Engineer	138.75	
Refund of Deposits	480.60	
		619.35

Total Fire Protection Bonds 1908 $619.35

Grand Total of All Funds	$23,799,013.02

TAX REDEMPTIONS, FISCAL YEAR ENDING JUNE 30, 1916

Year	Taxes	Penalty on Delinquency	Costs	Interest	Penalty on Redemption	Total
1909....				22.26	31.65	53.91
1910....	2,435.00	280.64	38.00	802.24	1,222.00	4,777.88
1911....	3,812.69	65.53	19.50	980.76	1,723.59	6,602.07
1912....	6,074.89	120.61	38.00	1,131.90	2,459.58	9,824.98
1913....	11,412.34	597.28	129.50	1,273.35	3,452.32	16,864.79
1914....	47,954.69	3,450.43	557.00	1,792.67	7,013.01	60,767.80
1915....	335.51				33.56	369.07
	$72,025.12	$4,514.49	$782.00	$6,003.18	$15,935.71	$99,260.50

TAX COLLECTOR'S ANNUAL REPORT OF LICENSES COLLECTED FOR FISCAL YEAR 1915-1916

No.	Object	Amount
4,111	Apartment Houses	$ 12,480.00
35	Assayers	355.00
9	Advertisers	80.00
37	Auctioneers	3,700.00
12	Ball and Ring Games	60.00
3	Baseball	225.00
282	Baths, Public	1,293.00
4,805	Billiard and Pool Tables	19,220.00
8	Bill Posters	2,625.00
155	Bowling Alleys	775.00
62	Brokers, Custom House	695.00
1,134	Brokers, Real Estate	6,130.00
276	Brokers, Merchandise	1,835.00
459	Brokers, Stock and Investment	3,502.00
51	Carpet Cleaning	510.00
12	Circus	695.00
41	Concerts	205.00
9	Concert Halls	634.00
66	Concealed Weapon Cards	198.00
2	Cycleries	8.00
511	Dance Halls	3,832.50
4	Detective Agencies	60.00
7,621	Dog Tags	11,431.50
724	Dog Tags, Duplicate	362.00
61	Dyeing and Cleaning	438.00
70	Exhibitions	467.00
13	Electrical Fixtures Installing	1,300.00
241	Electrician, Master	2,410.00
8	Express Agents	75.00
8	Gas Regulators	80.00
98	Guides, City	980.00
30	Guide Badges	75.00
2,487	Hotel Badges	10,817.00
12	House Moving	300.00
194	Intelligence Office	3,104.00
13	Itinerant Venders	650.00
803	Junk Dealers	1,025.00
1,027	Laundries	6,878.00
3	Light and Power Companies	6.00
8,020	Liquor Dealers, Retail	1,002,500.00

No.	Object	Amount
477	Liquor Dealers, One Day	4,770.00
352	Livery Stables	1,408.00
2,338	Lodging Houses	7,014.00
93	Mercantile and Collection Agents	975.00
6	Merry Go Round	60.00
169	Nickel in Slot Machines	299.00
340	Panorama and Kinetoscopes	8,500.00
184	Pawnbrokers	5,704.00
1,935	Peddlers' Tags	11,610.00
468	Peddlers' Tags (Gratuitous)	----------
24	Petroleum, Storage of	240.00
5	Patent Chimneys, Erecting of	625.00
4	R. R. Stage Line Agents	40.00
1	R. R. Ticket Peddler	10.00
4,767	Restaurants	16,631.00
8	Riding Academies	32.00
375	Runners and Solicitors	3,750.00
86	Slaughterers	1,297.50
1,075	Second Hand Dealers	2,121.00
47	Shooting Galleries	352.50
286	Transfer and Delivery Companies	1,430.00
18	Theatres	4,368.00
26	Theatres, Ticket Scalpers	260.00
39	Towel Companies	234.00
137	Warehouses	2,150.00
34	Water Companies	1,064.00
609	Automobile Passenger Vehicles	2,157.00
1,867	Automobile Trucks (Less 1 Ton)	4,804.00
464	Automobile Trucks (Less 2 Tons)	2,354.00
384	Automobile Trucks (Over 2 Tons)	3,885.75
5	Cabs	9.00
2,620	Cars, Street Railroad	9,825.00
2	Coaches and Busses	7.50
1,248	Driver Badges	1,248.00
18	Hacks	45.50
4,703	Single Wagons	7,261.25
3,743	Double Wagons	9,509.00
491	Double Trucks	2,472.00
1,341	Jitney Bus, Class A	13,423.50
95	Jitney Bus, Class B	1,620.50
213	Trucks, Four Horse	2,137.00
		$1,237,720.00

RECAPITULATION

TREASURY RECEIPTS

Advertising Fund		$ 10,332.50
Auditorium Fund		10,534.00
Bequest Funds—		
Denman Medal Interest Fund	$ 150.00	
Robinson Bequest Interest Fund	1,644.45	
Windel Bequest Interest Fund	800.00	
		2,594.45
Bond Funds—		
Interest	1,739,561.09	
Public Building	3,431,947.32	
Redemption	1,175,309.78	
		6,346,818.19
Common School Fund		2,189,649.67
City and County Good Roads Fund		112,122.51
General Fund, Fiscal Year 1915-16		9,173,185.43
Library Fund		101,158.34
Municipal Railway Fund		1,999,681.81
Municipal Railway Depreciation Fund		21,500.50
Park Fund		427,251.82
Rebate Funds and Accounts		1,014,418.59
Relief Funds—		
Firemen's Relief Fund	102,347.30	
Police Relief and Pension Fund	25,533.41	
		127,880.71
Robinson Bequest Fund, Transferred Investment, O. D. Baldwin		40,000.00
Special Inspection Fund		27,020.50
Street and Tunnel Assessment Funds		878,707.13
Street and Tunnel Redemption Funds		5,783.27
Street and Tunnel Interest Funds		3,362.83
Street Improvement Fund		22,225.03
Tax Collector's Special Account		2,177.00
Teachers' Institute Fund		582.00
Trust and Court Funds—		
Absent Creditors' Account	23.00	
Absent Heirs' Account	950.17	
County Clerk's Special Account	150,611.87	
Public Administrator's Account	10,271.18	
		161,856.22

Unapportioned Fee Fund	273,240.65
Water Works Fund	6,056.89
State of California	1,504,510.99
Inheritance Taxes (Undistributed)	180,444.45
Redemption of Property Sold to State (Undistributed)	18,336.24
Tax Collector's Taxes (Undistributed)	75,799.38
Assessor's Personal Property Taxes (Undistributed)	844,721.86
	$25,581,952.96
Apportioned or Distributed Accounts, excepting Assessor's Account (See Total Treasury Receipts)	12,813,067.41
	$38,395,020.37

SOURCES OF REVENUE

Accrued Interest on Bond Sales	$ 26,323.55
Advertising	10,332.50
Apportionment of State Refund on Bonded Indebtedness	140,288.30
Bond Sales, Including Premiums	3,397,497.97
Bill Board Permits	181.00
Building Permits	28,029.50
City and County Good Roads Fund	112,122.51
Commission from State on Poll Taxes	4.00
Coroner, Money found on decedents	387.20
Damages to City Property	447.79
Fines from Courts, Library and Police Officers	29,138.85
Franchise Percentages; Street Railroads and Corporat'ns	143,587.32
Interest on Bank Deposits	92,101.69
Interest on Bond Investments	24,038.25
Interest on Bequests	2,594.45
Licenses	1,237,720.00
Maintenance, City and County charges in Hospitals, Orphanages, etc.; being payments by State, Relatives etc., toward upkeep	51,846.42
Municipal Railways—Passenger Receipts	1,989,087.86
Park	45,755.50
Police Relief and Pension Fund—Contributions, Cash and Rewards	23,308.56
Rebate Accounts	1,014,040.21
Refunds—	
Accrued Interest	1,894.75
Construction, Freight Bills, Labor, Wages, etc	53,468.97
Rentals of Buildings, Land and Privileges	132,103.91
Robinson Bequest Fund, Transferred Investment O. D. Baldwin	40,000.00
Sales of Buildings, Land, Material, Power, etc	12,222.47
Special Inspection Fund	27,020.50
State Apportionment to Schools	718,456.05
State of California	1,504,510.99
Street Improvement Fund	22,225.03
Street Assessment Funds—Assessments	36.29
Street Assessments Redemption Funds—Redemptions	881.80
Taxes, City and County, except Assessor's Collections 1916, not apportioned and State Refund on Bonded Indebtedness	12,179,022.70
Tax Collector's Special Account	2,177.00
Teachers' Institute Fund—	
Examination and Certificate Fees	582.00

Trust and Court Funds	161,856.22
Tunnel Assessment Funds—Assessments	878,670.84
Tunnel Assessment Interest Funds—Interest	3,362.83
Tunnel Assessment Redemption Funds—Redemptions	4,901.47
Treasurer's Commission on Public Administrator's Estates and Inheritance Taxes	3,775.02
Unapportioned Fee Fund—City and County Moneys	273,240.65
Water Test, Board of Fire Commissioners	6.22
Water Works Fund—Water Rentals	6,056.89
Widows' Pension Fund	67,345.00
Inheritance Taxes (Undistributed)	180,444.45
Redemption of Property Sold to State (Undistributed)	18,336.24
Tax Collector's Taxes (Undistributed)	75,799.38
Assessor's Personal Property Taxes (Undistributed)	844,721.86
	$25,581,952.96
Apportioned or Distributed Accounts excepting Assessor's Account (See Total Treasury Receipts)	12,813,067.41
Total Credits, excepting Transfer Entries	$38,395,020.37

TREASURER'S RECEIPTS

Advertising Fund—		
Board of Fire Commissioners	180.40	
Board of Supervisors	4,240.45	
Department of Public Works	5,911.65	
		10,332.50
Auditorium Fund—		
Rentals		10,534.00
Bond Funds—		
Interest Accounts 3½% Bonds, 1904:		
County Jail and Hall of Justice:		
Taxes	3,028.21	
Golden Gate Park Extension to Presidio:		
Taxes	8,478.97	
Library:		
Taxes	6,033.88	
Accrued Interest	2,650.15	
Mission Park:		
Taxes	7,870.15	
Playground:		
Taxes	17,566.77	
School:		
Taxes	17,053.84	
Accrued Interest	72.62	
Streets:		
Taxes	18,243.61	
Hospital and Jail Bonds of 1913, 4½%:		
Taxes	43,668.01	
Accrued Interest	8,066.40	
Polytechnic High School Bonds of 1910, 4½%:		
Taxes	20,478.97	
Water Supply, Hetch Hetchy Bonds of 1910, 4½%:		
Taxes	145,041.74	
Accrued Interest	15,534.38	
City Hall Bonds of 1912, 5%:		
Taxes	436,318.32	
Exposition Bonds of 1912, 5%:		
Taxes	206,415.80	
Forward		$ 20,866.50

TREASURER'S RECEIPTS—Continued

Forward		$ 20,866.50
Fire Protection Bonds of 1908, 5%:		
Taxes	249,169.96	
Garbage System Bonds of 1908, 5%:		
Taxes	23,071.47	
Hall of Justice Bonds of 1908, 5%:		
Taxes	39,054.13	
Hospital Bonds of 1908, 5%:		
Taxes	78,521.09	
Municipal Railway Bonds of 1913, 5%:		
Taxes	136.45	
School Bonds of 1908, 5%:		
Taxes	210,577.62	
Sewer Bonds of 1908, 5%:		
Taxes	182,508.55	
		1,739,561.09
Bond Funds, Public Buildings, from Sale of Bonds and Material; Rentals, etc.—		
Library Bonds of 1904, 3½%:		
Sale of Bonds	228,911.97	
School Bonds of 1904, 3½%:		
Sale of Bonds	8,300.00	
Hospital and Jail Bonds of 1913, 4½%:		
Sale of Bonds	567,000.00	
Premium	86.00	
Market St. Railway Bonds of 1910, 4½%:		
Sale of Bonds	6,000.00	
Water Supply, Hetch Hetchy Bonds of 1910, 4½%:		
Sale of Bonds	2,579,000.00	
Sale of Freeman's Report	18.35	
Premium	200.00	
Refund from Sierra Ry	1.82	
City Hall Bonds of 1912, 5%:		
Rentals	59.10	
Refunds, S. P. and W. P. Railroads	593.96	
Fire Protection Bonds of 1908, 5%:		
Damage to High Pressure System	15.30	
Sale of Material	42.85	
Forward		$ 1,760,427.59

TREASURER'S RECEIPTS—Continued

Forward		$ 1,760,427.59
Garbage System Bonds of 1908, 5%:		
Sale of Bonds	8,000.00	
Municipal St. Ry. Bonds of 1913, 5%:		
Ocean Shore Ry's Share of Street Reconstruction Expense	33,717.97	
		3,431,947.32
Bond Funds, Redemption Accounts—		
County Jail and Hall of Justice Bonds 1904, 3½%:		
Taxes	17,560.43	
Golden Gate Park Extension to Presidio Bonds 1904, 3½%:		
Taxes	8,472.62	
Library Bonds of 1904, 3½%:		
Taxes	39,972.32	
Mission Park Bonds of 1904, 3½%:		
Taxes	7,264.52	
Playground Bonds of 1904, 3½%:		
Taxes	18,169.24	
School Bonds of 1904, 3½%:		
Taxes	87,814.76	
Sewer Bonds of 1904, 3½%:		
Taxes	1,047.19	
Street Bonds of 1904, 3½%:		
Taxes	40,571.56	
Hospital-Jail Completion Bonds of 1913, 4½%:		
Taxes	101,240.43	
Polytechnic High School Bonds of 1910, 4½%:		
Taxes	24,786.49	
Water Supply Bonds of 1909, 4½%:		
Taxes	498.21	
Exposition Bonds of 1912, 5%:		
Taxes	200,441.00	
Fire Protection Bonds of 1908, 5%:		
Taxes	130,072.37	
Garbage System Bonds of 1908, 5%:		
Taxes	49,399.75	
Hall of Justice Bonds of 1908, 5%:		
Taxes	47,868.36	
Forward		$ 5,192,374.91

TREASURER'S RECEIPTS—Continued

Forward		$ 5,192,374.91
Hospital Bonds of 1908, 5%:		
Taxes	101,698.32	
School Bonds of 1908, 5%:		
Taxes	199,809.15	
Sewer Bonds of 1908, 5%:		
Taxes	98,623.06	
		1,175,309.78
City and County Good Roads Fund		112,122.51
Common School Fund—		
Taxes	1,372,987.09	
Damage to School Property	12.64	
Rent of School Property	98,142.50	
Rebate on Furniture	21.39	
Sale of Desks	30.00	
State Apportionment	718,456.05	
		2,189,649.67
Denman Medal Fund—		
Interest		150.00
General Fund 1915-1916—		
Taxes	7,481,252.79	
Bill Board Permits	181.00	
Building Permits	28,029.50	
Coroner, Cash from decedents	387.20	
Damages, Miscellaneous:		
Fire Commissioners — Hydrants and Hose	101.90	
Steam Roller	16.00	
Third St. Bridge	90.35	
Fines, Police Courts:		
Dept. No. 1	6,222.00	
Dept. No. 2	5,870.00	
Dept. No. 3	5,360.00	
Dept. No. 4	6,295.00	
Superior Courts	250.00	
Franchises:		
Pacific Telephone and Telegraph Co.	71,526.08	
Sanitary Reduction Works	17,500.00	
S. F. Electric Protective Co.	10.28	
Forward		$ 8,669,606.87

TREASURER'S RECEIPTS—Continued

Forward		$ 8,669,606.87
Street Railroads:		
California St. Railway Co. (Hyde St.)	4,683.74	
United Railroads Co	49,767.22	
Fire Commissioners:		
Payment by U. S. Government for Power Supplied by Ft. Mason Pumping Station	1,419.04	
Payments by Contractors for Electrical Power Supplied	12.67	
Water Test	6.22	
Hospitals:		
City and County Hospital (including Tuberculosis) Maintenance	241.50	
Isolation Hospital, Maintenance	81.00	
Salaries unclaimed, City and County Hospital and Tuberculosis Hospital	284.73	
Sale of Material, City and County Hospital	124.05	
Diploma	1.00	
Interest on Bank Deposits	92,101.69	
Juvenile Court; Maintenance	7,460.68	
Licenses	1,237,720.00	
Miscellaneous:		
Balance of Sale Price, Potrero Nuevo Block	200.00	
Recorder, Desk Rentals	560.00	
Rent, City Property	21,908.31	
Relief Home:		
Maintenance	2,189.85	
Sale of Material, etc	197.54	
Refunds:		
Crocker National Bank, Depositary Bond, Mass. Bonding Co	397.25	
Duplicate Payment, Secretary Superior Court	67.50	
Ford Automobile Rebates	450.00	
Fuel Oil remaining in tank, Temporary City Hall	39.33	
Forward		$ 8,669,606.87

TREASURER'S RECEIPTS—Continued

Forward		$ 8,669,606.87
S. F. Hospital, Telephone	4.52	
Salaries, Error in Pay Roll, Fire Commissioners	66.65	
State Motor Vehicle Div. Refunds	139.88	
Supervisors' (Finance Com.) Trip to Sacramento; Unexpended Balance)	1.15	
Sheriff, Board of U. S. Prisoners	3,572.00	
State of California:		
Beale St. Assessment to cover amount advanced by General Fund	11,433.82	
Commission on Poll Taxes, Cash $2; Commission on Poll Taxes, Apportionment $2	4.00	
Orphans and Half Orphans, State's Share	38,301.39	
Taxes Refunded, State's Portion, Sec. 3804	12.57	
Lunacy Commission	370.00	
Widows' Pensions	67,345.00	
Sales of Property by Mayor:		
Automobile and 6 Wagons	206.63	
Buildings and Shacks	3,080.86	
Junk	451.54	
29 Horses	1,035.93	
Sales, Board of Supervisors:		
Bion J. Arnold's Report	9.00	
Copies of General Ordinances	163.00	
Engineer's Report on Water Supply	5.00	
Sales, Dept. of Public Works:		
Cobbles	182.05	
Sales, Playground Commission:		
Junk, North Beach Playground	20.00	
Treasurer's Commission on Public Administrator's Estates	297.80	
Treasurer's Commission on Inheritance Taxes	3,477.22	
		9,173,185.43
Forward		$17,842,792.30

TREASURER'S RECEIPTS—Continued

Forward		$17,842,792.30
Library Fund—		
Taxes	96,990.64	
Books Damaged or Lost	170.85	
Fines, etc.	3,996.85	
		101,158.34
Municipal Railway Fund—		
Earned Interest on Bond Investment	4,054.12	
Passenger Receipts	1,989,087.86	
Refunds	3,513.44	
Sales of Material, Brake Shoes, etc.	2,990.64	
Sundries: Broken Windows, Lost Keys, etc.	35.75	
		1,999,681.81
Municipal Railway Depreciation Fund—		
Refund of Accrued Interest	1,516.37	
Earned Interest on Bond Investment	19,984.13	
		21,500.50
Park Fund—		
Taxes	377,185.86	
Beach Chalet	2,732.15	
Bequest, Estate of Alice Skae	10,000.00	
Boat House Rent	300.00	
Children's Quarters	33,015.05	
Care of Flower Baskets on Market St.	671.95	
Coin Boxes	8.30	
Damages	5.00	
Japanese Tea Garden, Rent	600.00	
Material and Labor	1,100.00	
Shipment of Animals	150.00	
Right of Way—United Railroads	100.00	
Refund on Freight Bills	.50	
Refund on Labor	80.00	
Refund on Water Charges, S. V. Water Co.	123.29	
Spring Valley Water Co.—Hauling	227.25	
Sale of Animals and Material	643.12	
Sale of Catalogues and Indexes	309.35	
		427,251.82
Forward		$20,392,384.77

TREASURER'S RECEIPTS—Continued

Forward		$20,392,384.77
Rebate Accounts—		
Duplicate Tax Fund—Duplicate and Overpayment of Taxes:		
Cash $ 421.30		
Apportionment 5,450.09		
	5,871.39	
Excavation Fund:		
Corporation Permits to Open Trenches	12,282.70	
El Portal Way Sewer Fund to be Refunded by Assessment	11,000.00	
House Moving Funds:		
Dept. of Public Works	2,100.00	
Dept. of Electricity	575.00	
Investment Fund:		
Accrued Interest Refund	378.38	
Redemption of Bonds	138,500.00	
Police Court Bail Money Account:		
Bail Deposits	724,835.00	
Special Badge Fund:		
Deposits on Badges	595.00	
Special Permit Fund:		
Deposits for Sidewalk and Street Space	51,214.00	
Tearing Up Streets Fund:		
Permits, Side Sewer Openings	67,067.12	
		1,014,418.59
Relief Funds—		
Firemen's Relief Fund:		
Taxes	102,347.30	
Police Relief and Pension Fund:		
Contributions	22,218.00	
Cash (Unclaimed) from Prisoners	900.56	
Fines of Officers	1,145.00	
Rewards of Officers	190.00	
Sales by Property Clerk	1,079.85	
		127,880.71
Robinson Bequest Fund, Transferred Investment O. D. Baldwin		40,000.00
Robinson Bequest Interest Fund, Interest		1,644.45
Special Inspection Fund		27,020.50
Forward		$21,603,369.02

TREASURER'S RECEIPTS—Continued

Forward		$21,603,369.02
Street Assessment Funds—		
Beverly St. Extension	10.00	
Bixby St. Extension	5.00	
Orizaba St. Extension	7.00	
Polk St. Regrade	5.79	
Ralston St. Extension	3.50	
Ramsell St. Extension	4.00	
Victoria St. Extension	1.00	
		36.29
Street Redemption Fund—		
Arch St. Extension	70.59	
Bixby St. Extension	43.60	
Bright St. Extension	88.70	
Head St. Extension	66.50	
Monticello St. Extension	87.35	
Orizaba St. Extension	109.40	
Ralston St. Extension	94.39	
Ramsell St. Extension	45.20	
Vernon St. Extension	160.23	
Victoria St. Extension	115.84	
		881.80
Stockton St. Tunnel Assessment Fund—		
Assessments		38,604.11
Stockton St. Tunnel Assessment Interest Fund—		
Interest		203.00
Street Improvement Fund		22,225.03
Tax Collector's Special Account		2,177.00
Twin Peaks Ridge Tunnel Assessment Fund—		
No. 1 Assessments	823,659.82	
No. 2 Assessments	16,406.91	
		840,066.73
Twin Peaks Ridge Tunnel Assessment Interest Fund—		
Accrued Interest		3,159.83
Twin Peaks Ridge Tunnel Assessment Redemption Fund—		
Redemptions		4,901.47
Teachers' Institute Fund—		
Examinations and Certificate Fees		582.00
Trust and Court Funds—		
Absent Creditors' Account	23.00	
Absent Heirs' Account	950.17	
Forward		$22,516,186.28

TREASURER'S RECEIPTS—Continued

Forward		$22,516,186.28
County Clerk's Special Account	150,611.87	
Public Administrator's Account	10,271.18	
		161,856.22
Unapportioned Fee Fund—		
Auditor	78.00	
Board of Health	1,242.25	
Board of Public Works	20,623.25	
County Clerk	92,142.00	
Department of Electricity	12,321.24	
Justices' Clerk	33,764.00	
Police Department	1,207.50	
Police Department Taximeter Inspection, Ord. 1898	107.00	
Pound Keeper	2,938.10	
Recorder	72,873.25	
Registrar of Voters	2,107.45	
Sheriff	33,833.11	
Treasurer	3.50	
		273,240.65
Water Works Fund—		
Water Rentals		6,056.89
Wendel Bequest Interest Fund—		
Interest		800.00
State of California—		
Taxes	2,544.88	
Inheritance Taxes	1,417,677.22	
Maintenance of Minors:		
Feeble Minded, Glen Ellen	31,540.00	
California School for Girls	1,392.19	
Preston School of Industry	6,039.15	
Whittier Reform School	300.82	
Poll Taxes:		
Sale $6.00		
Apportionment 6.00		
	12.00	
Public School Teachers Permanent Fund	18,770.00	
Public Administrator, Escheated Estates	24,879.21	
Redemption of Property Sold to State	1,049.69	
Sales of Property by State, Sec. 3897	305.83	
		1,504,510.99
		$24,462,651.03

AMOUNTS APPORTIONED OR DISTRIBUTED TO FUNDS THROUGH JOURNAL ENTRY

	Gross Receipts	Distributed or Apportioned	Undistributed	
Assessor's Account	$ 844,721.86	*$ 817,755.52	$817,440.61	$ 844,721.86
Inheritance Taxes	1,601,598.89	1,421,154.44	180,444.45	180,444.45
Redemption of Property Taxes Fund	63,015.24	44,679.00	18,336.24	18,336.24
State Tax Refund	140,288.30	140,288.30		
Tax Collector's Unapportioned Taxes	11,282,745.05	11,206,945.67	75,799.38	75,799.38
Total Receipts including Assessor's Account distribution or apportionment				$25,581,952.96
Adding of apportioned or distributed accounts except Assessor's Account		12,813,067.41		12,813,067.41
Total Credits excepting Transfer Entries				$38,395,020.37

* $790,474.27 of above amount balance brought forward from 1914-1915.

RECAPITULATION OF TREASURY PAYMENTS

Demands Paid:		
Auditorium Fund		8,983.16
Bonds—		
Interest	1,974,992.25	
Public Building	3,053,836.44	
Redemption	1,136,000.00	
		6,164,828.69
Bequest Funds		42,944.45
City and County Good Roads Fund		80,718.28
Common School Fund		2,115,339.13
Court Funds		111,187.56
General Fund		9,793,970.77
Library Fund		107,498.51
Municipal Railway Fund (operating expenses)		1,318,852.15
Municipal Railway Depreciation Fund (Purchase of Municipal Bonds)		286,543.42
Park Fund		427,559.79
Relief Funds		211,992.98
Relief Home Tract Fund		13,740.00
Rebate Funds and Accounts		994,501.54
Special Inspection Fund		17,842.55
Street Improvement Fund		22,779.08
Street Assessment Funds		612.00
Street Assessment Redemption Funds		375.52
Tunnel Assessment Funds		935,756.60
Tunnel Assessment Redemption Fund		303.39
Tunnel Assessment Interest Fund		7,973.31
Teachers' Institute Fund		226.65
Unapportioned Fee Fund		17,983.95
Water Works Fund		7,934.94
State of California		1,500,909.70
Assessor's Account		817,755.52
Inheritance Tax Fund (Cash Disbursements)		5,922.63
Total Payments, including Assessor's Account		25,015,036.27
Amount apportioned or distributed through Journal Entry from funds detailed under Treasury Payments		12,813,067.41
Total Debits excepting Transfer Entries		37,828,103.68

TREASURY PAYMENTS

Auditorium Fund Demands Paid		8,983.13
Bonds, Interest—		
Demands Paid:		
County Jail and Hall of Justice, Issue of 1904, 3½%	3,349.50	
Golden Gate Park Extension to Presidio, Issue of 1904, 3½%	8,466.50	
Library, Issue of 1904, 3½%	29,071.00	
Mission Park, Issue of 1904, 3½%	7,537.25	
Playground, Issue of 1904, 3½%	19,213.25	
School, Issue of 1904, 3½%	23,679.25	
Street, Issue of 1904, 3½%	19,138.00	
Geary St. Railway, Issue of 1910, 4½%	82,642.50	
Hospital-Jail, Issue of 1913, 4½%	48,487.50	
Market St. Railway, Issue of 1910, 4½%	3,195.00	
Polytechnic High School, Issue of 1910, 4½%	24,795.00	
Water Supply, Hetch Hetchy, Issue of 1910, 4½%	79,605.00	
City Hall, Issue of 1912, 5%	440,225.00	
Exposition, Issue of 1912, 5%	131,525.00	
Fire Protection, Issue of 1908, 5%	258,275.00	
Garbage, Issue of 1908, 5%	32,900.00	
Hall of Justice, Issue of 1908, 5%	40,975.00	
Hospital, Issue of 1908, 5%	87,125.00	
Municipal Railway, Issue of 1913, 5%	200,812.50	
School, Issue 1908, 5%	236,600.00	
Sewer, Issue of 1908, 5%	197,375.00	
		1,974,992.25
Bonds, Public Building—		
Demands Paid:		
Library, Issue of 1904, 3½%	384,303.37	
School, Issue of 1904, 3½%	3,857.25	
Sewer, Issue of 1904, 3½%	115,014.18	
Geary St. Railway, Issue of 1910, 4½%	27,900.10	
Hospital-Jail, Issue of 1913, 4½%	217,804.84	
Forward		$ 1,983,975.41

TREASURY PAYMENTS—Continued

Forward		$ 1,983,975.41
Market St. Railway, Issue of 1910, 4½%	720.10	
Polytechnic High School, Issue of 1910, 4½%	29,567.26	
Water Supply, Hetch Hetchy, Issue 1910, 4½%	445,009.49	
City Hall, Issue of 1912, 5%	1,413,487.58	
Fire Protection, Issue of 1908, 5%	12,018.34	
Garbage System, Issue of 1908, 5%	990.30	
Municipal St. Railway, Issue of 1913, 5%	292,792.24	
School, Issue of 1908, 5%	95,598.59	
Sewer, Issue of 1908, 5%	14,682.80	
		3,053,836.44
Bonds, Redemption—		
Demands Paid:		
County Jail and Hall of Justice, Issue of 1904, 3½%	17,400.00	
Golden Gate Park Extension to Presidio, Issue of 1904, 3½%	8,200.00	
Library, Issue of 1904, 3½%	41,100.00	
Mission Park, Issue of 1904, 3½%	7,300.00	
Playground, Issue of 1904, 3½%	18,500.00	
Street, Issue of 1904, 3½%	40,500.00	
School, Issue of 1904, 3½%	89,800.00	
Sewer, Issue of 1904, 3½%	181,200.00	
Geary St. Railway, Issue of 1910, 4½%	95,000.00	
Hospital-Jail Completion, Issue of 1910, 4½%	100,000.00	
Market St. Railway, Issue of 1910, 4½%	6,000.00	
Polytechnic High School, Issue of 1910, 4½%	25,000.00	
Exposition, Issue of 1912, 5%	6,000.00	
Garbage System, Issue of 1908, 5%	50,000.00	
Hall of Justice, Issue of 1908, 5%	50,000.00	
Hospital, Issue of 1908, 5%	100,000.00	
School, Issue of 1908, 5%	200,000.00	
Sewer, Issue of 1908, 5%	100,000.00	
		1,136,000.00
Forward		$ 6,173,811.85

TREASURY PAYMENTS—Continued

Forward		$ 6,173,811.85
Bequest Funds—		
Demands Paid:		
Robinson Bequest Fund	40,000.00	
Robinson Bequest Interest Fund	2,144.45	
Windel Bequest Interest Fund	800.00	
		42,944.45
Court Funds—		
Demands Paid:		
Absent Creditors' Account	12.50	
Absent Heirs' Account	440.92	
County Clerk's Special Account	110,517.40	
Public Administrator's Account	216.74	
		111,187.56
City and County Good Roads Fund—		
Demands Paid		80,718.28
Common School Fund—		
Demands Paid		2,115,339.13
General Fund—		
Demands Paid		9,793,970.77
Library Fund—		
Demands Paid		107,498.51
Municipal Railway Depreciation Fund—		
Demands Paid (Purchase of Municipal Bonds)		286,543.42
Municipal Railway Fund—		
Demands Paid (Operating)		1,318,852.15
Park Fund—		
Demands Paid		427,559.79
Rebate Funds and Accounts—..		
Demands Paid:		
Duplicate Tax Fund	4,633.71	
El Portal Way Sewer Fund	10,964.00	
Excavation Fund	15,559.55	
House Moving Funds:		
Dept. of Electricity	340.00	
Dept. of Public Works	2,300.00	
Investment Fund:		
Purchase of City and County Bonds	138,878.38	
Forward		$20,458,425.91

TREASURY PAYMENTS—Continued

Forward		$20,458,425.91
Overpayment, Corporation Personal Property Taxes Fund	6.00	
Police Court Bail Money Account	713,070.00	
Special Badge Fund	820.00	
Special Permit Fund	45,781.00	
Tearing Up Streets Fund	62,148.90	
		994,501.54
Relief Funds—		
Demands Paid:		
Firemen's Relief Fund	103,372.03	
Police Relief and Pension Fund	108,620.95	
		211,992.98
Relief Home Tract Fund—		
Demands Paid		13,740.00
Special Inspection Fund—		
Demands Paid		17,842.55
Street Improvement Fund—		
Demands Paid		22,779.08
Street Assessment Funds—		
Demands Paid:		
Arch St. Extension	5.00	
Beverly St. Extension	7.00	
Bixley St. Extension	6.00	
Bright St. Extension	5.00	
Head St. Extension	5.00	
Monticello St. Extension	5.00	
Orizaba St. Extension	29.00	
Polk St. Regrade	499.00	
Ralston St. Extension	6.00	
Ramsell St. Extension	5.00	
Vernon St. Extension	5.00	
Victoria St. Extension	5.00	
Vulcan St. Extension	30.00	
		612.00
Street Assessment Redemption Funds—		
Demands Paid:		
Beverly St. Extension	88.94	
Bixby St. Extension	43.60	
Bright St. Extension	65.30	
Forward		$21,719,894.06

TREASURY PAYMENTS—Continued

Forward		$21,719,894.06
Monticello St. Extension	77.98	
Ralston St. Extension	21.80	
Orizaba St. Extension	59.20	
Victoria St. Extension	18.70	
		375.52
Stockton St. Tunnel Interest Fund—		
Demands Paid (Interest Coupons)		7,973.31
Tunnel Assessment Funds—		
Demands Paid:		
Stockton St. Tunnel, Miscellaneous Demands	1,108.84	
Stockton St. Tunnel, Contractor's Bonds Redeemed	16,558.84	
Twin Peaks Ridge Tunnel No. 1	918,088.92	
		935,756.60
Twin Peaks Ridge Tunnel Assessment Redemption Fund—		
Demands Paid		303.39
Teachers' Institute Fund—		
Demands Paid		226.65
Unapportioned Fee Fund—		
Demands Paid		17,983.95
Water Works Fund—		
Demands Paid		7,934.94
State of California—		
Bond Interest, Teachers' Permanent Fund	2,200.00	
May and December Settlements	1,486,463.70	
Public School Teachers' Permanent Fund	12,246.00	
		1,500,909.70
Forward		$24,191,358.12

AMOUNTS APPORTIONED OR DISTRIBUTED TO FUNDS THROUGH JOURNAL ENTRY

	Gross Payments	Amount Apportioned and Distributed	Cash Payments	
Forward				$24,191,358.12
Assessor's Account	$ 817,755.52	$ 817,755.52		$ 817,755.52
Inheritance Taxes	1,427,077.07	1,421,154.44	$5,922.63	5,922.63
Sub-Total Payments including Assessor's Account distribution or apportionment				$25,015,036.27
Redemption of Property Taxes Fund	44,679.00	44,679.00		
State Tax Refund	140,288.30	140,288.30		
Tax Collector's Unapportioned Taxes Fund	11,206,945.67	11,206,945.67		
Distributed Accounts except Assessor's Account		$12,813,067.41		12,813,067.41
Total Debits excepting Transfer Entries				$37,828,103.68

BALANCE.

Cash on hand July 1, 1915	$ 9,958,784.40
Receipts during Fiscal Year 1915-1916 including Assessor's Account apportionment or distribution	25,581,952.96
	$35,540,737.36
Payments during Fiscal Year 1915-16 including Assessor's Account apportionment or distribution	25,015,036.27
Balance June 30, 1916	$10,525,701.09

CASH IN THE TREASURY OF THE CITY AND COUNTY OF SAN FRANCISCO, JUNE 30, 1916

Bond Funds—		
Interest	1,160,462.51	
Public Building	4,264,655.59	
Redemption	1,170,962.16	
		6,596,080.26
Auditorium Fund		1,550.84
City and County Good Roads Fund		114,359.43
Common School Fund		106,565.78
Firemen's Relief Fund		115.87
General Fund		1,171,809.13
Investment Fund		200,000.00
Library Fund		41,507.85
Municipal Railway Fund		281,310.98
Municipal Railway Accident Insurance Fund		49,144.64
Municipal Railway Depreciation Fund		174,964.59
Park Fund		41,744.64
Police Relief and Pension Fund		15,364.76
Teachers' Institute Fund		1,817.91
Trust and Court Funds		50,668.66
Unapportioned Fee Fund		26,904.63
Water Works Fund		2,382.18
Rebate Funds and Accounts, Bequests and Assessment Funds		552,619.27
		9,428,911.42
Unapportioned Accounts		1,088,275.05
		10,517,186.47
State of California		8,514.62
		10,525,701.09

CONDITION OF TREASURY, JUNE 30, 1916

Cash on hand June 30, 1916, at Credit of following Funds and Accounts:

CITY AND COUNTY FUNDS

Bond Funds—		
Interest Accounts:		
County Jail and Hall of Justice Bonds of 1904, 3½%	1,489.84	
Golden Gate Park Extension to Presidio Bonds of 1904, 3½%	4,833.76	
Hospital Bonds of 1904, 3½%	112.54	
Library Bonds of 1904, 3½%	25,898.91	
Mission Park Bonds of 1904, 3½%	4,081.84	
Playground Bonds of 1904, 3½%	9,773.33	
School Bonds of 1904, 3½%	11,365.40	
Street Bonds of 1904, 3½%	9,476.92	
Geary St. Railway Bonds of 1910, 4½%	44,789.05	
Hospital-Jail Completion Bonds of 1913, 4½%	40,577.76	
Polytechnic High School Bonds of 1910, 4½%	12,706.78	
Water Supply Bonds of 1909, 4½%	1,027.07	
Water Supply, Hetch Hetchy, Bonds of 1910, 4½%	158,892.58	
City Hall Bonds of 1912, 5%	218,844.59	
Exposition Bonds of 1912, 5%	119,826.59	
Fire Protection Bonds of 1908, 5%	135,573.45	
Garbage System Bonds of 1908, 5%	19,656.48	
Hall of Justice Bonds of 1908, 5%	20,510.00	
Hospital Bonds of 1908, 5%	41,929.77	
Municipal Street Railway Bonds of 1913, 5%	61,560.15	
School Bonds of 1908, 5%	114,745.07	
Sewer Bonds of 1908, 5%	102,790.63	
		1,160,462.51
Bond Funds—Public Building—		
Library Bonds of 1904, 3½%	318,264.17	
Sewer Bonds of 1904, 3½%	54,522.82	
Street Bonds of 1904, 3½%	2,108.87	
Geary St. Railway Bonds of 1910, 4½%	209.75	
Forward		$ 1,160,462.51

CONDITION OF TREASURY JUNE 30, 1916—Continued

Forward		$ 1,160,462.51
Hospital-Jail Completion Bonds of 1913, 4½%	685,617.31	
Market St. Railway Bonds of 1910, 4½%	6,153.41	
Polytechnic High School Bonds of 1910, 4½%	13,977.97	
Water Supply, Hetch Hetchy, Bonds of 1910, 4½%	2,389,412.47	
City Hall Bonds of 1912, 5%	155,492.09	
Fire Protection Bonds of 1908, 5%	18,185.38	
Garbage System Bonds of 1908, 5%	251,488.14	
Hospital Bonds of 1908, 5%	16.50	
Municipal Street Railway Bonds of 1913, 5%	212,899.51	
School Bonds of 1908, 5%	36,745.56	
Sewer Bonds of 1908, 5%	119,561.64	
		4,264,655.59
Bond Funds—		
Redemption Accounts:		
County Jail and Hall of Justice Bonds of 1904, 3½%	18,297.27	
Golden Gate Park Extension to Presidio Bonds of 1904, 3½%	8,553.07	
Hospital Bonds of 1904, 3½%	.15	
Library Bonds of 1904, 3½%	42,352.54	
Mission Park Bonds of 1904, 3½%	7,229.61	
Playground Bonds of 1904, 3½%	19,077.06	
School Bonds of 1904, 3½%	92,405.86	
Sewer Bonds of 1904, 3½%	4,693.70	
Street Bonds of 1904, 3½%	42,443.78	
Geary St. Railway Bonds of 1910, 4½%	95,000.00	
Hospital-Jail Completion Bonds of 1913, 4½%	1,240.43	
Polytechnic High School Bonds of 1910, 4½%	84.48	
Water Supply Bonds of 1909, 4½%	1,473.13	
Market St. Railway Bonds of 1910, 4½%	6,000.00	
Exposition Bonds of 1912, 5%	199,346.28	
Forward		$ 5,425,118.10

CONDITION OF TREASURY JUNE 30, 1916—Continued

Forward		$ 5,425,118.10
Fire Protection Bonds of 1908, 5%	130,072.37	
Garbage System Bonds of 1908, 5%	51,407.28	
Hall of Justice Bonds of 1908, 5%	50,115.22	
Hospital Bonds of 1908, 5%	101,158.86	
Sewer Bonds of 1908, 5%	98,077.25	
School Bonds of 1908, 5%	201,933.82	
		1,170,962.16
Auditorium Fund		1,550.84
Common School Fund		106,565.78
City and County Good Roads Fund		114,359.43
Firemen's Relief Fund		115.87
General Fund		1,171,809.13
Investment Fund		200,000.00
Library Fund		41,507.85
Municipal Railway Accident Insurance Fund		49,144.64
Municipal Railway Depreciation Fund		174,964.59
Municipal Railway Fund		281,310.98
Park Fund		41,744.64
Police Relief and Pension Fund		15,364.76
Rebate Accounts and Funds, Bequests and Assessment Funds—		
Arch St. Extension Assessment Fund	73.32	
Arch St. Redemption Fund	131.17	
Bixby St. Extension Assessment Fund	93.94	
Bixby St. Redemption Fund	93.75	
Beverly St. Extension Assessment Fund	129.17	
Beverly St. Redemption Fund	90.49	
Bright St. Extension Assessment Fund	81.65	
Bright St. Redemption Fund	100.99	
Denman Medal Fund	392.92	
Duplicate Tax Fund	18,101.17	
El Portal Way Sewer Fund	36.00	
Excavation Fund	18,367.94	
Head St. Extension Assessment Fund	94.86	
Head St. Redemption Fund	217.35	
House Moving Funds:		
Dept. of Public Works	400.00	
Dept. of Electricity	1,769.81	
Forward		$ 8,794,518.77

CONDITION OF TREASURY JUNE 30, 1916—Continued

Forward		$ 8,794,518.77
Monticello St. Extension Assessment Fund	81.92	
Monticello St. Redemption Fund	43.67	
Overpayment Corporation Taxes Fund	156.64	
Orizaba St. Extension Assessment Fund	92.34	
Orizaba St. Redemption Fund	184.31	
Polk St. Regrade Assessment Fund	464.45	
Police Court Bail Money Account	32,859.50	
Ralston St. Extension Assessment Fund	80.66	
Ralston St. Redemption Fund	178.57	
Ramsell St. Extension Assessment Fund	107.78	
Ramsell St. Redemption Fund	291.95	
Robinson Bequest Fund	250.00	
Special Inspection Fund	22,961.60	
Special Permit Fund	32,337.75	
Special Badge Fund	1,194.00	
Street Improvement Fund	166.12	
Stockton St. Tunnel Assessment Fund	17,887.99	
Stockton St. Tunnel Assessment Interest Fund	8,792.25	
Stockton St. Tunnel Assessment Redemption Fund	314.84	
Tearing Up Streets Fund	12,993.54	
Twin Peaks Ridge Tunnel Assessment Fund No. 1	147,860.95	
Twin Peaks Ridge Tunnel Assessment Fund No. 2	15,341.44	
Twin Peaks Ridge Tunnel Assessment Interest Fund	187,601.82	
Twin Peaks Ridge Tunnel Redemption Fund	28,808.50	
Vernon St. Extension Assessment Fund	70.82	
Vernon St. Extension Redemption Fund	253.37	
Victoria St. Extension Assessment Fund	105.81	
Forward		$ 8,794,518.77

CONDITION OF TREASURY JUNE 30, 1916—Continued

Forward		$ 8,794,518.77
Victoria St. Extension Redemption Fund	298.69	
Vulcan St. Extension Assessment Fund	43.37	
Windel Bequest Fund	220.09	
Windel Bequest Interest Fund	400.00	
		552,619.27
Teachers Institute Fund		1,817.91
Trust and Court Funds—		
Absent Heirs' Account	519.16	
Absent Creditors' Account	10.50	
County Clerk's Special Account	40,094.47	
Public Administrator's Account	10,044.53	
		50,668.66
Unapportioned Fee Fund		26,904.63
Water Works Fund		2,382.18
		$9,428,911.42
Unapportioned Accounts—		
Assessor's Account	817,440.61	
Inheritance Tax Fund	174,521.82	
Redemption of Property Sold to State Account	18,336.24	
Tax Collector's Special Account	2,177.00	
Tax Collector's Taxes Account	75,799.38	
		1,088,275.05
Total City and County Funds		10,517,186.47
State of California		8,514.62
		10,525,701.09

COMPARATIVE TREASURY RECEIPTS, FISCAL YEARS 1914-1915 1915-1916

	Fiscal Year 1914-15	Fiscal Year 1915-16
Advertising Fund	$ 15,260.75	$ 10,332.50
Accrued Interest on Bond Sales	47,487.02	26,323.55
Assessor's Personal Property Taxes, not apportioned	814,438.33	844,721.86
Bill Board Permits	202.00	181.00
Building Permits	24,146.90	28,029.50
City and County Good Roads Fund	117,385.02	112,122.51
Commission from State on Personal Property and Poll Taxes	18,470.60	4.00
Coroner, Money Found on Decedents	240.35	387.20
Damages to City Property—Hydrants, Railways, Schools, etc.	2,991.51	447.79
Fees, City and County Offices	276,702.49	273,240.65
Fines, from Courts, Library and Police Officers	42,628.25	29,138.85
Franchise Percentages, Street Railroad and Corporation	75,156.48	143,587.32
Interest on Bequests—Windel, Robinson, Deman	2,950.00	2,594.45
Interest on Bank Deposits	130,130.45	92,101.69
Interest on Bond Investments	10,822.79	24,038.25
Licenses	1,260,873.50	1,237,720.00
Maintenance of City and County Charges in Hospitals, Orphanages, etc. (being contributions by State, Relatives, etc., toward upkeep)	75,229.74	51,846.42
Municipal Railways, Passenger Receipts and Advertising	1,666,877.41	1,989,087.86
Municipal Bath Houses	124.25	
Park	29,569.45	45,755.50
Police Relief and Pension Fund, Contributions, Cash and Rewards	22,942.14	23,308.56
Refunds, Bond Investment, Interest, Wages, Insurance, etc.	304,723.22	55,363.72
Refund from State on Bonded Indebtedness	134,116.38	140,288.30
Rent of Buildings, Land and Privileges	125,384.27	132,103.91
Robinson Bequest Fund, Transferred Investment, O. D. Baldwin		40,000.00

COMPARATIVE TREASURY RECEIPTS—Continued

	Fiscal Year 1914-15	Fiscal Year 1915-16
Sale of Bonds	4,023,285.69	3,397,497.97
Sales, by Various Departments, of Land, Material, Power, etc	55,629.20	12,222.47
State Apportionment to Schools	662,411.96	718,456.05
Special Inspection Fund	19,046.75	27,020.50
Street Improvement Fund	2,728.92	22,225.03
Street Assessment and Redemption Funds	21,367.79	918.09
Tax Collector's Special Account		2,177.00
Taxes, Except State Refund on Bonded Indebtedness and Assessor's Collection, not apportioned	12,184,051.41	12,179,022.70
Teachers' Institute Fund	500.00	582.00
Treasurer's Commission on Public Administrator's Estates and Inheritance Taxes	5,648.59	3,775.02
Trust and Court Funds		161,856.22
Tunnel Assessment, Interest and Redemption Funds	274,597.67	886,935.14
*Undistributed Accounts, except Assessor's Account		274,580.07
Water Rentals	4,591.25	6,056.89
Widows' Pension Fund	37,697.51	67,345.00
Miscellaneous: Payments by Corporations and Individuals for Sewer Construction, Crossings, Privileges, etc	18,394.08	6.22
	22,508,804.12	23,063,401.76
Rebate Accounts and Funds:		
Duplicate Tax and Overpayment of Taxes Fund	4,968.25	5,871.39
El Portal Way Sewer Fund		11,000.00
Excavation Fund	17,088.85	12,282.70
House Moving Funds	3,925.00	2,675.00
Investment Fund	158,200.00	138,500.00
Police Court Bail Money Account	641,387.50	724,835.00

*Inheritance Taxes	$180,444.45	
Redemption of Property	18,336.24	
Tax Collector's Taxes	75,799.38	
	$274,580.07	

COMPARATIVE TREASURY RECEIPTS—Continued

	Fiscal Year 1914-15	Fiscal Year 1915-16
Special Badge Fund	750.00	595.00
Special Permit Fund	45,266.00	51,214.00
Tearing Up Streets Fund	61,991.45	67,067.12
	$23,442,381.17	$24,077,441.97
State of California	1,038,671.11	1,504,510.99
	$24,481,052.28	$25,581,952.96

TRANSFER ENTRIES—FISCAL YEAR ENDING JUNE 30, 1916

Total Transfers—Permanent and Temporary	$11,324,987.08	$11,324,987.08

PERMANENT

Sundries to General Fund		264,375.42
Advertising Fund	10,333.50	
Unapportioned Fee Fund	254,041.92	
General Fund to Sundries	91,424.68	
City and County Good Roads Fund		10,000.00
Municipal Railway Fund		2,279.52
Police Relief and Pension Fund		78,845.16
Water Works Fund		300.00
Bond Funds—		
Interest Funds:		
Geary Railway 4½% Bond, Interest Fund, 1910	2,568.45	
To Market St. Ry. 4½% Bond Interest Fund, 1910		2,568.45
Hospital 5% Bond Interest Fund, 1908	1,154.56	
To Hospital 5% Bond Redemption Fund, 1908		1,154.56
Mission Park 3½% Bond Interest Fund, 1904	356.70	
To Mission Park 3½% Bond Redemption Fund, 1904		356.70
Polytechnic 4½% Bond Interest Fund, 1910	207.51	
To Polytechnic 4½% Bond Redemption Fund, 1910		207.51
Sewer 5% Bond Interest Fund, 1908	114.86	
To Sewer 5% Bond Redemption Fund, 1908		114.86
Public Building Funds—		
Public Building Geary Railway 4½% Bond Fund, 1910	4,375.80	
To Public Building Municipal Railway 5% Bond Fund, 1913		4,375.80

TRANSFER ENTRIES—Continued

Public Building Market St. Railway 4½% Bond Fund, 1910	18,186.80	
To Public Building Geary Railway 4½% Bond Fund, 1910		18,186.80
Public Building School 3½% Bond Fund, 1904 (Resolution 13034)	5,467.56	
To Public Building School 5% Bond Fund, 1908		5,467.56
Redemption Funds—		
County Jail and Hall of Justice 3½% Bond Redemption Fund, 1904	155.25	
To County Jail and Hall of Justice 3½% Bond Interest Fund, 1904		155.25
Duplicate Tax Fund to Sundries	2.50	
Twin Peaks Ridge Tunnel Interest Fund		2.25
Advertising Fund		.25
Municipal Railway Fund to Sundries	713,842.24	
Geary St. Railway 4½% Bond Interest Fund, 1910		45,000.00
Investment Fund		200,000.00
Municipal Ry. Accident Insurance Fund		23,906.99
Municipal Ry. Depreciation Fund		367,935.25
Municipal Ry. 5% Bond Interest Fund, 1913		77,000.00
Municipal Railway Depreciation Fund to Sundries	101,000.00	
Geary Railway 4½% Bond Redemption Fund, 1910		95,000.00
Market St. Railway 4½% Bond Redemption Fund, 1910		6,000.00
Public Administrator's Fund	9.91	
Absent Heirs' Fund		9.91
Sundries to Twin Peaks Ridge Ass't. F'd		98,972.04
Twin Peaks Tunnel Interest Fund, J. Res. 1896	98,941.00	
Twin Peaks Interest Fund	16.41	
Duplicate Tax Fund	14.63	
Stockton St. Tunnel Assessment Fund	6,843.61	
Stockton St. Tunnel Interest Fund		6,843.61

TRANSFER ENTRIES—Continued

Twin Peaks Ridge Tunnel Assessment Fund to Sundries	221,157.48	
Twin Peaks Ridge Tunnel Interest Fund		220,469.86
Duplicate Tax Fund		686.87
Advertising Fund		.75
Twin Peaks Ridge Tunnel Assessment Fund, No. 2	1,065.47	
To Twin Peaks Tunnel Interest Fund		1,065.47
Unapportioned Fee Fund	1,464.50	
To Police Relief and Pension Fund		1,464.50
	$1,532,745.34	$1,532,745.34

TEMPORARY TRANSFERS

LOAN TRANSFERS

Assessor's Account to Sundries	760,000.00	
Firemen's Relief Fund		10,000.00
Loan Transfer Account		750,000.00
Loan Transfer Account to Sundries	2,135,545.48	
Common School Fund		340,000.00
Firemen's Relief Fund		50,500.00
General Fund		1,565,000.00
Mission Park 3½% Bond Interest Fund, 1904		45.48
Park Fund		180,000.00
Public Building Funds—		
Public Building City Hall 5% Bond Fund, 1912, to Sundries	950,575.39	
Loan Transfer Account		950,000.00
Police Relief and Pension Fund		575.39
Public Building Garbage 5% Bond Fund, 1908	200,000.00	
To Loan Transfer Account		200,000.00
Public Building Water Supply Hetch Hetchy 4½% Bond Fund, 1910	600,000.00	
To Loan Transfer Account		600,000.00
Public Building Library 3½% Bond Fund, 1904,	250,000.00	
To Loan Transfer Account		250,000.00
	4,896,120.87	4,896,120.87

TRANSFER LOANS RETURNED

Common School Fund	340,000.00	
To Loan Transfer Account		340,000.00
Firemen's Relief Fund to Sundries	60,500.00	
Assessor's Account		10,000.00
Loan Transfer Account		50,500.00
General Fund	1,565,000.00	
To Loan Transfer Account		1,565,000.00
Loan Transfer Account to Sundries	2,750,000.00	
Assessor's Account		750,000.00
Public Building Funds:		
P. B. City Hall 5% Bond Fund 1912		950,000.00

TEMPORARY TRANSFERS—Continued		
P. B. Garage 5% B'd F'd, 1908		200,000.00
P. B. Water Supply Hetch Hetchy 4½% Bond Fund, 1910		600,000.00
P. B. Library 3½% Bond Fund, 1904		250,000.00
Mission Park 3½% Bond Interest Fund 1904	45.48	
To Loan Transfer Account		45.48
Park Fund	180,000.00	
To Loan Transfer Account		180,000.00
Police Relief and Pension Fund	575.39	
To Public Building City Hall 5% Bond Fund, 1912		575.39
	4,896,120.87	4,896,120.87

PROOF

Only Funds, Whose Cash on Hand is Affected, are Given Below.

FUNDS	Cash on Hand July 1, 1915	Receipts and Transfers	Disbursements and Transfers	Cash on Hand June 30, 1916
Absent Heirs Fund		950.17	440.92	519.16
Transfers		9.91		
Advertising Fund		10,332.50		
Transfers		1.00	10,333.50	
Bond Funds—Public Building:				
Geary St. Railway 4½% Bond Fund, 1910	14,298.85		27,900.10	209.75
Transfers		18,186.80	4,375.80	
Market St. Railway 4½% Bond Fund, 1910	19,060.31	6,000.00	720.10	6,153.41
Transfers			18,186.80	
Municipal St. Railway 5% Bond Fund, 1913	467,597.98	33,717.97	292,792.24	212,899.51
Transfers		4,375.80		
School 5% Bond Fund, 1908	126,876.59		95,598.59	36,745.56
Transfers		5,467.56		
School 3½% Bond Fund, 1904	1,024.81	8,300.00	3,857.25	
Transfers			5,467.56	
Interest Funds:				
County Jail and Hall of Justice 3½% Bond Interest Fund, 1904	1,655.88	3,028.21	3,349.50	1,489.84
Transfers		155.25		

Geary St. Railway 4½% Bond Interest Fund, 1910....	85,000.00		82,642.50	44,789.05
Transfers		45,000.00	2,568.45	
Hospital 5% Bond Interest Fund, 1908	51,688.24	78,521.09	87,125.00	41,929.77
Transfers			1,154.56	
Market St. Railway 4½% Bond Interest Fund, 1910....	626.55		3,195.00	
Transfers		2,568.45		
Municipal St. Railway 5% Bond Interest Fund, 1913..	185,236.20	136.45	200,812.50	61,560.15
Transfers		77,000.00		
Mission Park 3½% Bond Interest Fund, 1904	4,105.64	7,870.15	7,537.25	4,081.84
Transfers			356.70	
Polytechnic High School 4½% Bond Int. Fund, 1910	17,230.32	20,478.97	24,795.00	12,706.78
Transfers			207.51	
Sewer 5% Bond Interest Fund, 1908	117,771.94	182,508.55	197,375.00	102,790.63
Transfers			114.86	
Redemption Funds:				
Geary St. Railway 4½% Bond Redemption Fund, 1910	95,000.00		95,000.00	95,000.00
Transfers		95,000.00		
County Jail and Hall of Justice 3½% Bond Redemption Fund, 1904	18,292.09	17,560.43	17,400.00	18,297.27
Transfers			155.25	
Hospital 5% Bond Redemption Fund, 1908	98,305.98	101,698.32	100,000.00	101,158.86
Transfers		1,154.56		
Market St. Railway 4½% Bond Redemption F'd, 1910	6,000.00		6,000.00	6,000.00
Transfers		6,000.00		

PROOF—Continued

FUNDS	Cash on Hand July 1, 1915	Receipts and Transfers	Disbursements and Transfers	Cash on Hand June 30, 1916
Mission Park 3½% Bond Redemption Fund, 1904	6,908.39	7,264.52	7,300.00	7,229.61
Transfers		356.70		
Polytechnic High School 4½% Bond Redemption Fund, 1910	90.48	24,786.49	25,000.00	34.48
Transfers		207.51		
Sewer 5% Bond Redemption Fund, 1908	99,339.33	98,623.06	100,000.00	98,077.25
Transfers		114.86		
City and County Good Roads Fund	72,955.20	112,122.51	80,718.28	114,359.43
Transfers		10,000.00		
Duplicate Tax Fund	16,193.75	5,871.39	4,633.71	18,101.17
Transfers		686.87	17.13	
General Fund	1,619,643.73	9,173,185.43	9,793,970.77	1,171,809.13
Transfers		264,375.42	91,424.68	
Investment Fund		138,878.38	138,878.38	200,000.00
Transfers		200,000.00		
Municipal Railway Fund	312,044.04	1,999,681.81	1,318,852.15	281,310.98
Transfers		2,279.52	713,842.24	
Municipal Railway Accident Insurance Fund	25,237.65			49,144.64
Transfers		23,906.99		
Municipal Railway Depreciation Fund	173,072.26	21,500.50	286,543.42	174,964.59
Transfers		367,935.25	101,000.00	

Police Relief and Pension Fund	18,142.64	25,533.41	108,620.95	15,364.76
Transfers		80,309.66		
Public Administrator's Fund		10,271.18	216.74	10,044.53
Transfers			9.91	
Stockton St. Tunnel Assessment Fund	3,795.17	38,604.11	17,667.68	17,887.99
Transfers			6,843.61	
Stockton St. Tunnel Interest Fund	9,718.95	203.00	7,973.31	8,792.25
Transfers		6,843.61		
Twin Peaks Ridge Tunnel Assessment Fund No. 1	364,475.49	823,659.82	918,088.92	147,860.95
Transfers		98,972,04	221,157.48	
Twin Peaks Ridge Tunnel Assessment Fund No. 2		16,406.91		15,341.44
Transfers			1,065.47	
Twin Peaks Ridge Tunnel Interest Fund	61,861.82	3,159.83		187,601.82
Transfers		221,537.58	98,957.41	
Unapportioned Fee Fund	27,154.35	273,240.65	17,983.95	26,904.63
Transfers			255,506.42	
Water Works Fund	3,960.23	6,056.89	7,934.94	2,382.18
Transfers		300.00		
	$4,124,364.86	$14,782,898.04	$15,613,669.49	$3,293,593.41

TREASURER IN CASH ACCOUNT WITH AUDITOR FOR MONEY BELONGING TO THE STATE OF CALIFORNIA, FISCAL YEAR 1915-1916

Dr.		Cr.	
To Amount Paid State Treasurer	$1,500,897.13	By Cash on Hand July 1, 1915	$ 4,913.33
To State's Portion Refunded Taxes	12.57	By Inheritance Taxes	1,417,677.22
To Balance on Hand June 30th, 1916	8,514.62	By Maintenance of Juveniles:	
		California School for Girls	1,392.19
		Home of Feeble Minded	31,540.00
		Preston School of Industry	6,039.15
		Whittier Reform School	300.82
		By Poll Taxes (Tax Collector)	12.00
		By Redemption of Property Sold to State	2,402.74
		By Public Administrator	24,879.21
		By Public School Teachers' Permanent F'd:	
		Contributions $16,570.00	
		Earned Interest on Bonds 2,200.00	18,770.00
		By Sales, Sec. 3771 Political Code	305.83
		By Taxes	1,191.83
	$1,509,424.32		$1,509,424.32

PUBLIC MONEYS OF THE CITY AND COUNTY OF SAN FRANCISCO ON DEPOSIT IN BANKS

Subject to Withdrawal on Demand of Treasurer

Rate of Interest, 2% per annum. Bonds of the United States, State of California, and City and County of San Francisco held as security

Amounts included in Treasurer's Cash on Hand

City or Town	Name of Bank	
Alameda	Alameda National	$ 11,250.00
"	Alameda Savings	45,000.00
Auburn	Auburn Savings	9,000.00
"	First National	3,790.00
Berkeley	First National	37,500.00
"	Homestead Savings	6,000.00
"	South Berkeley	12,500.00
Calistoga	Calistoga National	5,500.00
Campbell	Bank of Campbell	3,500.00
Chico	Butte County National	18,000.00
Coalinga	First National	4,500.00
Concord	Bank of Concord	7,500.00
Crescent City	Del Norte County Bank	5,500.00
Dixon	First National	7,125.00
Durham	Commercial Bank	9,000.00
Ferndale	Ferndale Bank	7,000.00
Ft. Bragg	First National	23,750.00
Ft. Jones	Scott Valley Bank	15,000.00
Fresno	First National	27,000.00
"	Union National	16,950.00
Folsom	Bank of Folsom	2,500.00
Gilroy	Bank of Gilroy	7,500.00
Healdsburg	First National	6,750.00
"	Healdsburg National	9,000.00
"	Healdsburg Savings	5,500.00
Livermore	First National	10,500.00
"	Farmers' and Merchants	9,650.00
"	Livermore Savings	10,350.00
"	Livermore Valley Savings	5,500.00
Loleta	Bank of Loleta	4,000.00
Lompoc	Bank of Lompoc	7,500.00
Marysville	The Rideout Bank	25,000.00
Merced	First National	1,350.00
Napa	First National	5,500.00

PUBLIC MONEY ON DEPOSIT IN BANKS—Continued

City or Town	Name of Bank	
Nevada City	Citizens' Bank of Nevada City	27,250.00
Oakland	Central Savings Bank of Oakland	26,250.00
"	The Bank of Commerce of Oakland	7,500.00
"	First Savings Bank of Oakland	30,000.00
Palo Alto	First National	7,500.00
Petaluma	Petaluma National	40,000.00
"	Petaluma Savings	19,500.00
"	The California Savings	21,000.00
"	Sonoma County National	59,000.00
"	Swiss American	14,000.00
Pittsburg	Contra Costa County Bank	7,500.00
Pleasanton	First National	5,400.00
Placerville	A. Mierson Banking Co.	12,500.00
Redding	Northern California National	11,250.00
Sacramento	California National	37,000.00
"	California Savings	15,000.00
"	National Bank of D. O. Mills & Co.	27,150.00
San Francisco	Anglo California Trust Co.	118,875.00
" "	Anglo & London Paris National	450,000.00
" "	American National	96,300.00
" "	Bank of California, N. A.	346,875.00
" "	First Federal Trust Co.	177,250.00
" "	French American Bank of Savings	175,000.00
" "	Bank of Italy	409,000.00
" "	Italian American	157,000.00
" "	Mercantile National	300,000.00
" "	Merchants' National	288,000.00
" "	The Mission Bank	26,250.00
" "	Mutual Savings	60,000.00
" "	Portuguese American	66,000.00
" "	Seaboard National	67,500.00
" "	Union Trust Co.	332,812.50
" "	Wells Fargo Nevada National	525,000.00
San Luis Obispo	Union National	4,500.00
San Mateo	National Bank of San Mateo	22,500.00
San Pedro	First National	5,250.00
Santa Rosa	Santa Rosa National	42,000.00
" "	Santa Rosa Bank	41,250.00
Salinas	Monterey County Bank	7,500.00
"	Salinas City Bank	20,000.00
St. Helena	Savings Bank of St. Helena	12,500.00
Sebastopol	First National	19,380.00

PUBLIC MONEY ON DEPOSIT IN BANKS—Continued

City or Town	Name of Bank	
Sonora	First National	34,000.00
Stockton	Commercial and Savings	33,750.00
"	San Joaquin Valley National	100,000.00
Suisun	First National	17,000.00
Tomales	Bank and Trust Co.	18,000.00
Tulare	Bank of Tulare	10,500.00
Turlock	People's State	6,900.00
Vallejo	Vallejo Commercial	22,500.00
Valley Ford	Dairymen's	13,000.00
Walnut Creek	San Ramon Valley Bank	12,750.00
Wheatland	Farmers' Bank	12,900.00
		$4,805,807.50

STATEMENT OF TAXES FOR FISCAL YEAR 1915-1916

TAX COLLECTOR IN ACCOUNT WITH AUDITOR

Dr.		Cr.	
To Real Estate Taxes, non-operative, City and County	$10,776,469.14	By Cash Paid City and County Treasurer Account of non-operative Taxes and Penalties	$11,272,453.02
To Personal Property Taxes, City and County	580,742.56	By Property Sold to the State for Taxes for previous years	30,448.04
To Penalties Collected on non-operative Taxes	16,127.55	By Property Sold to the State for Taxes for the year 1915	59,814.40
To Additional Charge to correct errors in Real Estate Rolls	3.94	By Property Withdrawn from Sale Sec. 3806, P. C.	621.96
To Additional charge to correct errors in Personal Property Rolls	.06	By Partial Payments (amounts still due)	47.49
		By Taxes Cancelled by Auditor, Sec. 3805, P. C.	55.47
		By Delinquent Unsecured Personal Property Taxes, non-operative City and County	9,902.87
	$11,373,343.25		$11,373,343.25

SUMMARY OF PROPERTY TAXES AND PENALTIES COLLECTED BY TAX COLLECTOR AND PAID INTO TREASURY DURING THE FISCAL YEAR 1915-16

	Taxes	Penalties	Total
1915—On City and County and State Real Estate and Personal Property	$11,256,325.47	$16,127.55	$11,272,453.02
1914—On City and County and State Real Estate and Personal Property	2,710.96	51.40	2,762.36
1913—On City and County and State Real Estate and Personal Property	31.93	6.38	38.31
1912—On City and County and State Real Estate and Personal Property	.10	.02	.12
1911—On City and County and State Real Estate and Personal Property	.40	.08	.48
1906—On City and County and State Real Estate and Personal Property	.72	.09	.81
1905—On City and County and State Real Estate and Personal Property	3.64	.46	4.10
	$11,259,073.22	$16,185.98	$11,275,259.20

ADDITIONAL AMOUNTS COLLECTED BY TAX COLLECTOR DURING FISCAL YEAR 1915-16

Costs	$ 1,790.50
Duplicate and Overpayment of Taxes	5,687.35
Sales for State of California	2,177.00
Sale of Poll Taxes	8.00

TUNNEL ASSESSMENTS, INTEREST, COSTS, ETC., COLLECTED BY TAX COLLECTOR DURING FISCAL YEAR 1915-16

Twin Peaks Ridge Tunnel	$ 844,968.20
Stockton St. Tunnel	38,604.11

APPORTIONMENT OF TAXES FOR FISCAL YEAR 1915-1916

Dr.		Cr.	
To Amount of Costs Collected by Tax Collector and Apportioned to General Fund during 1915-16	$ 1,637.50	By Bond Funds—	
To City and County Portion of Property Sold under Sec. 3771, P. C.	1,356.67	Interest Accounts:	
To Redemption of Property Sold to State (City and County Portion)	42,823.24	County Jail and Hall of Justice 3½%	$ 3,028.21
To Redemption of Property Sold to State (City and County and State)	44,679.00	Golden Gate Park Extension to Presidio 3½%	8,478.97
To Amount from State under Chapter 335 Statutes of 1911 for Principal and Interest on Bonded Indebtedness Created and Outstanding prior to Nov. 8th, 1910	140,288.30	Library 3½%	6,033.88
To Taxes and Penalties Collected in June, 1915, by Tax Collector and apportioned in Fiscal Year 1915-16	72,544.07	Mission Park 3½%	7,870.15
To Poll Taxes	8.00	Playground 3½%	17,566.77
To Duplicate Taxes, by Journal Distribution	5,450.09	School 3½%	17,053.84
To Taxes and Penalties non-operative Collected by Tax Collector and apportioned during Fiscal Year 1915-1916		Street 3½%	18,243.61
Amount $11,275,259.20		Polytechnic High School 4½%	20,478.97
* Less 74,487.62	11,200,771.58	Hospital-Jail Completion 4½%	43,668.01
		Water Supply, Hetch Hetchy, 4½%	145,041.74
		City Hall 5%	436,318.32
		Exposition 5%	206,415.80
		Fire Protection 5%	249,169.96
		Garbage System 5%	23,071.47
		Hall of Justice 5%	39,054.13
		Hospital 5%	78,521.09
		Municipal St. Railway 5%	136.45
		School 5%	210,577.62
		Sewer 5%	182,508.55
		Redemption Accounts—	
		County Jail and Hall of Justice 3½%	17,560.43
		Golden Gate Park Extension to Presidio 3½%	8,472.62
		Library 3½%	39,972.32

To Taxes on Unsecured Personal Property Collected by Assessor	817,755.52	Mission Park 3½%	7,264.52
		Playground 3½%	18,169.24
		School 3½%	87,814.76
		Sewer 3½%	1,047.19
		Street 3½%	40,571.56
		Hospital-Jail 4½%	101,240.43
		Polytechnic High School 4½%	24,786.49
		Water Supply 1909 4½%	498.21
		Exposition 5%	200,441.00
		Fire Protection 5%	130,072.37
		Garbage System 5%	49,399.75
		Hospital 5%	101,698.32
		Hall of Justice 5%	47,868.36
		School 5%	199,809.15
		Sewer 5%	98,623.06
		By Common School Fund	1,372,987.09
		By Duplicate Tax Fund	5,450.09
		By General Fund	7,481,252.79
		By General Fund, Commission Poll Taxes	2.00
		By Library Fund	96,990.64
		By Park Fund	377,185.86
		By Firemen's Relief Fund	102,347.30
		By State of California	2,544.88
		By State of California, Poll Tax	6.00
	$12,327,313.97		$12,327,313.97

* Amount of Taxes and Penalties Collected in June, 1915, paid to Treasurer and apportioned to Fiscal Year 1916-17.

STATEMENT OF POLL TAXES FOR FISCAL YEAR 1915-16

Sales By Tax Collector:		
2 Delinquent Poll Taxes @ $4.00.....	8.00	
State of California.....		6.00
25% Commission		2.00
	8.00	8.00

SUMMARY OF DEMANDS AUDITED, PAID AND OUTSTANDING, FISCAL YEAR ENDING JUNE 30th, 1916

FUNDS AND ACCOUNTS	Demands Outstanding June 30, 1915	Demands Audited 1915-1916	Total	Demands Paid 1915-1916	Demands Cancelled	Demands Outstanding June 30, 1916
Auditorium Fund	$	9,721.19	9,721.19	8,983.16		738.03
Bond Funds—						
Interest:						
3½% County Jail and Hall of Justice, 1904		3,349.50	3,349.50	3,349.50		
3½% Golden Gate Park Extension to Presidio, 1904		8,466.50	8,466.50	8,466.50		
3½% Library, 1904		29,071.00	29,071.00	29,071.00		
3½% Mission Park, 1904		7,537.25	7,537.25	7,537.25		
3½% Playground, 1904		19,213.25	19,213.25	19,213.25		
3½% School, 1904		23,679.25	23,679.25	23,679.25		
3½% Street, 1904		19,138.00	19,138.00	19,138.00		
4½% Geary St. Railway, 1910		82,642.50	82,642.50	82,642.50		
4½% Hospital-Jail Completion 1913		48,487.50	48,487.50	48,487.50		
4½% Market St. Railway, 1910		3,195.00	3,195.00	3,195.00		
4½% Polytechnic High School, 1910		24,795.00	24,795.00	24,795.00		
4½% Water Supply (Hetch Hetchy), 1910		79,605.00	79,605.00	79,605.00		
5% City Hall, 1912		440,225.00	440,225.00	440,225.00		

SUMMARY OF DEMANDS AUDITED, PAID AND OUTSTANDING—Continued

FUNDS AND ACCOUNTS	Demands Outstanding June 30, 1915	Demands Audited 1915-1916	Total	Demands Paid 1915-1916	Demands Cancelled	Demands Outstanding June 30, 1916
5% Exposition, 1912	.....	131,525.00	131,525.00	131,525.00		
5% Fire Protection, 1908	.....	258,275.00	258,275.00	258,275.00		
5% Garbage System, 1908	.....	32,900.00	32,900.00	32,900.00		
5% Hall of Justice, 1908	.....	40,975.00	40,975.00	40,975.00		
5% Hospital, 1908	.....	87,125.00	87,125.00	87,125.00		
5% Municipal St. R'way, 1913	.....	200,812.50	200,812.50	200,812.50		
5% School, 1908	.....	236,600.00	236,600.00	236,600.00		
5% Sewer, 1908	.....	197,375.00	197,375.00	197,375.00		
Public Building:						
3½% Library, 1904	.....	384,671.37	384,671.37	384,303.37		368.00
3½% School, 1904	.....	3,857.25	3,857.25	3,857.25		
3½% Sewer, 1904	3,175.99	130,102.13	133,278.12	115,014.18		18,263.94
4½% Geary St. Railway, 1910	457.90	31,820.50	32,278.40	27,900.10		*4,378.30
4½% Hospital-Jail Completion 1913	4,665.75	241,358.41	246,024.16	217,804.84		a28,219.32
4½% Market St. Railway, 1910	125.10	2,673.50	2,798.60	720.10		2,078.50
4½% Polytechnic High School, 1910	3,250.06	26,407.20	29,657.26	29,657.26		
4½% Water Supply (Hetch Hetchy) 1910	15,054.61	450,585.54	465,640.15	445,009.49		20,630.66
5% City Hall, 1912	32,155.68	1,394,200.85	1,426,356.53	1,413,487.58		12,868.95

5% Fire Protection, 1908	11,495.39	619.35	12,114.74	12,018.34	96.40
5% Garbage System, 1908		1,102.80	1,102.80	990.30	112.50
5% Hospital, 1908	16.50		16.50		16.50
5% Municipal St. Ry., 1913	12,396.24	278,285.61	290,681.85	292,792.24	*
5% School, 1908	30,944.02	64,664.57	95,608.59	95,598.59	10.00
5% Sewer, 1908	13,155.94	120,126.52	133,282.46	14,682.80	118,599.66
Redemptions:					
3½% County Jail and Hall of Justice, 1904		17,400.00	17,400.00	17,400.00	
3½% Golden Gate Park Extension to Presidio, 1904		8,200.00	8,200.00	8,200.00	
3½% Library, 1904		41,100.00	41,100.00	41,100.00	
3½% Mission Park, 1904		7,300.00	7,300.00	7,300.00	
3½% Playground, 1904		18,500.00	18,500.00	18,500.00	
3½% School, 1904		89,800.00	89,800.00	89,800.00	
3½% Sewer, 1904		181,200.00	181,200.00	181,200.00	
3½% Streets, 1904		40,500.00	40,500.00	40,500.00	
4½% Geary St. Railway, 1910		95,000.00	95,000.00	95,000.00	
4½% Hospital-Jail Completion, 1913		100,000.00	100,000.00	100,000.00	
4½% Market St. Ry., 1910		6,000.00	6,000.00	6,000.00	
4½% Polytechnic High School, 1910		25,000.00	25,000.00	25,000.00	
5% Exposition, 1912		6,000.00	6,000.00	6,000.00	
5% Garbage System, 1908		50,000.00	50,000.00	50,000.00	
5% Hall of Justice, 1908		50,000.00	50,000.00	50,000.00	

SUMMARY OF DEMANDS AUDITED, PAID AND OUTSTANDING—Continued

FUNDS AND ACCOUNTS	Demands Outstanding June 30, 1915	Demands Audited 1915-1916	Total	Demands Paid 1915-1916	Demands Cancelled	Demands Outstanding June 30, 1916
5% Hospital, 1908	.....	100,000.00	100,000.00	100,000.00		
5% School, 1908	.....	200,000.00	200,000.00	200,000.00		
5% Sewer, 1908	.....	100,000.00	100,000.00	100,000.00		
Bequest Funds:						
Robinson Bequest Fund	.....	40,000.00	40,000.00	40,000.00		
Robinson Bequest Interest F'd	500.00	1,644.45	2,144.45	2,144.45		
Windel Bequest Interest Fund	.....	800.00	800.00	800.00		
City and County Good Roads Fund	257.50	82,370.10	82,627.60	80,718.28		1,909.32
Common School Fund	65,921.56	2,111,203.02	2,177,124.58	2,115,339.13		b61,785.45
General Fund	790,638.36	9,762,680.03	10,553,318.39	9,793,970.77	204.28	c759,143.34
Inheritance Taxes Fund	.....	1,261,111.50	1,261,111.50	5,922.63		**1,255,188.87
Library Fund	6,881.45	106,569.17	113,450.62	107,498.51		d5,952.11
Municipal Ry. Fund	123,281.23	1,282,211.43	1,405,492.66	1,318,852.15		86,640.51
Municipal St. Ry. Depreciation F'd	151,384.80	135,158.62	286,543.42	286,543.42		
Park Fund	40,639.35	427,413.16	468,052.51	427,559.70		40,492.72
Relief Home Tract Fund	13,740.00		13,740.00	13,740.00		
Relief Funds:						
Firemen's Relief Fund	5,184.85	107,883.01	113,067.86	103,372.03		9,695.83
Police Relief and Pension Fund	27,575.30	106,273.90	133,849.20	108,620.95	187.50	25,040.75

Rebate Funds:					
Duplicate Tax Fund	161.70	5,022.20	5,183.90	4,633.71	550.19
El Portal Way Sewer Fund	.....	10,964.00	10,964.00	10,964.00	
Excavation Fund	1,028.15	15,255.20	16,283.35	15,559.55	723.80
House Moving Funds:					
Dept. of Electricity	.....	413.15	413.15	340.00	73.15
Dept. of Public Works	500.00	2,000.00	2,500.00	2,300.00	200.00
Investment Fund	.....	138,878.38	138,878.38	138,878.38	
Overpayment Corporation Taxes	.....	6.00	6.00	6.00	
Police Court Bail Money Acct.	4,055.00	714,690.00	718,745.00	713,070.00	5,675.00
Special Badge Fund	50.00	780.00	830.00	820.00	10.00
Special Permit Fund	25.80	46,521.00	49,101.00	45,781.00	3,320.00
Tearing Up Streets Fund	3,280.62	63,323.45	66,604.07	62,148.90	4,455.17
Special Inspection Fund	1,766.70	18,993.50	20,760.20	17,842.55	2,917.65
Street Improvement Fund	.....	22,779.08	22,779.08	22,779.08	
Street Assessments:					
Sundry St. Assessments Funds	30.00	582.00	612.00	612.00	
Street Assessment Redemptions Fund:					
Sundry St. Redemption Funds	.....	375.52	375.52	375.52	
Teachers' Institute Fund	2.50	226.65	229.15	226.65	2.50
Trust and Court Funds:					
Absent Creditors' Account	.....	12.50	12.50	12.50	
Absent Heirs' Account	.....	440.92	440.92	440.92	
County Clerk's Special Account	.....	110,572.40	110,572.40	110,517.40	55.00
Public Administrator's Account	.....	216.74	216.74	216.74	

SUMMARY OF DEMANDS AUDITED, PAID AND OUTSTANDING—Continued

FUNDS AND ACCOUNTS	Demands Outstanding June 30, 1915	Demands Audited 1915-1916	Total	Demands Paid 1915-1916	Demands Cancelled	Demands Outstanding June 30, 1916
Tunnel Funds:						
Stockton St. Tunnel Assessment Fund	.....	17,667.68	17,667.68	17,667.68		
Stockton St. Tunnel Interest Fund	.....	7,973.31	7,973.31	7,973.31		
Twin Peaks Ridge Tunnel Assessment Fund	1,384.95	919,119.26	920,504.21	918,088.92		2,415.29
Twin Peaks Ridge Tunnel Assessment Redemption Fund	193.39	110.00	303.39	303.39		
Unapportioned Fee Fund	1,512.75	17,628.95	19,141.70	17,983.95		1,157.75
Water Works Fund	233.24	7,953.70	8,186.94	7,934.94		252.00
Total	$1,369,676.58	$23,799,013.02	$25,168,689.60	$22,696,371.05	$391.78	$2,474,037.16
Less Excess in P. B. Municipal Ry. 5% Bond Fund, 1913, as explained in foot note						2,110.39
Assessor's Account				817,755.52		$2,471,926.77
State of California				1,500,909.70		
Total Payments				$25,015,036.27		

a P. B. Hospital-Jail Completion Bond Fund Payments by Treasurer should be $150.00 more (Corrected in July, 1916). This was paid out of Library Fund, making outstandings $28,069.32.

b Common School Fund Payments by Treasurer should be $ .90 less (Corrected in July, 1916)., making outstandings $61,786.35.

c General Fund Payments by Treasurer should be $ .08 more (Corrected in July, 1916), making oustandings $759,143.26.

d Library Fund Payments by Treasurer should be $150.00 less (Corrected in July, 1916). This should have been paid out of P. B. Hospital-Jail Bond Fund, making outstandings $6,102.11.

e Municipal Railway Fund Payments by Treasurer should be $1.00 less (Corrected in July, 1916), making outstandings $86,641.51.

f Park Fund Payments by Treasurer should be $ .20 more (Corrected in July, 1916), making outstandings $40,492.52.

* Demand No. 3642 for $4,375.80, paid out of P. B. Municipal Railway 5% Bond Fund, 1913, should have been paid out of P. B. Geary Railway 4½% Bond Fund, 1910, making outstandings for P. B. Municipal Railway 5% Bond Fund, 1913, $2,265.41, and for P. B. Geary Railway 4½% Bond Fund, 1910, $2.50.

** $165,965.57 was paid to the State of California but not audited, as the auditing of disbursements on the Inheritance Taxes Fund was not commenced until September 15, 1915.

The sum of $5,922.63 under "Payments" represents cash disbursements for appraisers' fees, etc., paid out of the Inheritance Taxes Fund.

The sum of $1,421,154.44 was debited against Inheritance Taxes Fund and credited to State of California Account through distribution journal entry as shown at the end of "Treasury Payments." The amount is included in payments out of State of California Account.

Adding $165,965.57 to $1,261,111.50, demands audited, produces $1,427,077.07, total audits. Adding the payments $5,922.63 to $1,421,154.44 produces $1,427,077.07—gross payments, Inheritance Taxes Fund—thus eliminating the apparent outstandings.

OUTSTANDING BALANCES ON CONTRACTS CERTIFIED BY AUDITOR, FISCAL YEAR ENDING JUNE 30, 1916

P. B. Library 3½%, Issue of 1904—		
Construction of Library Building		295,752.00
P. B. Fire Protection 5%, Issue of 1908—		
Improvement of Clarendon and Burnett Sts. to St. Germain Ave.		825.00
P. B. Garbage 5%, Issue of 1908—		
Incinerators		126,322.23
P. B. Hetch Hetchy (Water) 4½%, Issue of 1910—		
Construction, etc.		1,410,890.25
P. B. Hospital-Jail Completion 4½%, Issue of 1913—		
Construction		792,904.25
P. B. Municipal St. Railway 5%, Issue of 1913—		
Construction, Cars, etc.		65,657.03
P. B. Polytechnic High School 4½%, Issue of 1910—		
Construction		2,128.15
P. B. City Hall 5%, Issue of 1912—		
Construction		121,772.23
General Fund 1913-1914—		
Special Street Levy:		
Paving Brick		2,291.60
General Fund 1914-1915—		
Special Street Levy:		
Paving Oakdale Ave., San Bruno Road		192.81
General Fund 1914-1915—		
Bascule Bridge, Fourth and Channel Sts.	43,957.13	
Election Booths, Painting	73.85	
Juvenile Home, Electrical Work	2,651.00	
Juvenile Home, Electrical Elevators	2,885.00	
Juvenile Home, Fire Escapes	200.00	
Juvenile Home, General Construction	54,200.00	

CONTRACTS CERTIFIED BY AUDITOR—OUTSTANDING BALANCES—Continued

Juvenile Home, Plumbing	7,150.00	
Juvenile Home, Ventilating	3,390.00	
Polytechnic High School Construction	500.00	
		115,006.98

General Fund, 1915-1916—

City Hall, Lighting Fixtures	4,999.00	
City Hall, Stationary Furniture	5,109.00	
City Hall, Stationary Furniture	1,000.00	
City Hall, Sidewalks	5,090.30	
Curbing, Glen Park School	740.00	
Engine House No. 4, Construction	30,264.00	
Engine House No. 8, Construction	29,559.00	
Engine House No. 17, Construction	30,330.00	
Election Booths, Painting	510.00	
Improvement, Arguello Boulevard, Edward and Geary Sts.	4,428.77	
Improvement, Jones, Lombard and Greenwich Sts.	1,104.34	
Improvements, Municipal Water Wks.	3,710.00	
Juvenile Home, Finish Hardware	2,550.00	
Motor Roller	3,750.00	
Ocean Esplanade Construction, Sec. A	33,357.86	
Relief Home Power Plant	5,103.00	
School Construction, Daniel Webster School	57,626.00	
School Construction, Redding School, General	12,221.75	
School Construction, Redding School, Steel	305.25	
School Construction, Redding School, Heating and Ventilating	3,960.00	
School Construction, Redding School, Plumbing	6,376.00	
School Construction, Redding School, Brick Work	23,585.00	
Sewer Construction, Oakdale Ave.	19,517.50	
Sewer Construction, South Bay View	16,302.29	
Sewer Construction, Sloat Boulevard, 24th to 31st Ave.	16,394.00	
Stairway, 18th and Indiana Sts.	538.00	
		318,431.06

CONTRACTS CERTIFIED BY AUDITOR—OUTSTANDING BALANCES—Continued

Good Roads Fund—		
Improvement, Corbett Ave, S. M. Ranch to 24th St	5,087.44	
Improvement, Corbett Ave. to Twin Peaks Reservoir	24,599.32	
Improvement, Clarendon Ave., Burnett to St. Germain Ave	3,400.00	
Improvement R. R. Ave., Hollister to San Bruno Ave	2,257.71	
		35,344.47
Municipal Railway Fund—		
Paving in front of Municipal Car House		120.56
		$3,287,638.62

Date and Na	e to Be deemed as of 3, 1916	Bonds Outstanding June 30, 1916	Bonds Outstanding as of July 3, 1916	Annual Redemption	Serial Maturity
Issue of J					
County Jail and	17,400	$ 87,000	$ 69,600	$ 17,400	1905-1920
Golden Gate Par	8,200	237,800	229,600	8,200	1905-1944
Hospital				25,000	1905-1914
Library	41,100	1,028,600	987,500	41,100	1905-1944
Mission Park	7,300	211,700	204,400	7,300	1905-1944
Playground	18,500	536,500	518,000	18,500	1905-1944
School	89,800	628,600	538,800	89,800	1905-1922
Sewer				181,200	1905-1915
Street	40,500	526,500	486,000	40,500	1905-1928
Issue of J					
Fire Protection	130,000	5,200,000	5,070,000	130,000	1916-1955
Garbage System	50,000	638,000	588,000	50,000	1911-1930
Hall of Justice	50,000	800,000	750,000	50,000	1912-1931
Hospital	100,000	1,700,000	1,600,000	100,000	1913-1932
School	200,000	4,600,000	4,400,000	200,000	1914-1938
Sewer	100,000	3,900,000	3,800,000	100,000	1915-1954
Miscellane					
Hospital and Jai		1,150,000	1,150,000	100,000	1916-1932
Water Supply, J				100,000	1910-1915
Polytechnic High		525,000	525,000	25,000	1914-1937
Geary Street Ra	95,000	1,805,000	1,710,000	95,000	1915-1934
Market Street R	6,000	75,000	69,000	6,000	1915-1934
Water Supply, H		4,185,000	4,185,000	1,000,000	1920-1964
Miscellane					
City Hall, July 1		8,800,000	8,800,000	200,000	1917-1960
Exposition, May	200,000	4,800,000	4,600,000	200,000	1915-1939
Municipal Railwa		3,500,000	3,500,000	100,000	1918-1952
Totals	153,800	$44,934,700	$43,780,900	$2,885,000	

	$51,954,700
2, 1916	8,173,800
	$43,780,900

Note:—Exp

BONDED INDEBTEDNESS, NOV. 8, 1910

Bonds of July 1, 1904. 3½%.

Municipal Bonds Name of Bonds	No. of Ordinance Under Which Bonds Were Issued	Bonds Issued Face Value	Date of Sale	Items of Amount	Bonds Redeemed	Outstanding Face Value	Falling Due 12 Months After Mar. 1, 1911
*County Jail and			Mar. 2, 1905	$ 261,000	6 redemptions at $17,400		
Hall of Justice	1114 and 1401	$ 278,400	Mar. 17, 1905	17,400	$ 104,400	$ 174,000	$ 17,400
*Golden Gate Park					6 redemptions at $ 8,200		
Extension to Presidio	1114 and 1401	328,000	Jan. 20, 1905	328,000	49,200	278,800	8,200
					6 redemptions at $25,000		
*Hospital	1114 and 1401	250,000	Mar. 1, 1905	250,000	150,000	100,000	25,000
					6 redemptions at $41,100		
*Library	1114 and 1401	739,800	Feb. 7, 1905	739,800	246,600	493,200	41,100
					6 redemptions at $7,300		
*Mission Park	1114 and 1401	292,000	Jan. 20, 1905	292,000	43,800	248,200	7,300
			Jan. 20, 1905	240,000	6 redemptions at $18,500		
*Playgrounds	1114 and 1401	740,000	Feb. 7, 1905	500,000	111,000	629,000	18,500
					6 redemptions at $89,800		
*School	1114 and 1401	1,077,600	Mar. 1, 1905	50,000	538,800	538,800	89,800
			Mar. 10, 1905	61,800			
			Mar. 17, 1905	89,800			
			Mar. 21, 1905	269,400			
			Apr. 4, 1905	89,800			
			May 10, 1905	50,000			
			May 19, 1905	89,800			
			May 24, 1905	377,000			
					6 redemptions at $181,200		
*Sewer	1114 and 1401	1,087,200	Mar. 1, 1905	25,000	1,087,200		
			Mar. 1, 1905	181,200			
			Mar. 2, 1905	75,000			

* Date when interest is payable, June 30, Dec. 31. Rate of interest 3½%.

BONDED INDEBTEDNESS, NOV. 8, 1910—Continued

Bonds of July 1, 1904, 3½%.

Municipal Bonds Name of Bonds	No. of Ordinance Under Which Bonds Were Issued	Bonds Issued Face	Bonds Issued Value	Date of Sale	Items of Amount	Bonds Redeemed	Outstanding Face Value	Falling Due 12 Months After Mar. 1, 1911
				May 24, 1905	343,600			
				June 1, 1905	100,000			
				Jan. 29, 1909	15,000			
				Apr. 30, 1909	87,000			
				May 7, 1909	43,000			
				June 29, 1909	36,200			
				Jan. 18, 1910	65,000			
				May 24, 1910	8,000			
				June 13, 1910	16,200			
				June 22, 1910	20,000			
				June 23, 1910	9,000			
				June 28, 1910	33,000			
				June 29, 1910	30,000			
*Street	1114 and 1401	829,000				6 redemptions at $40,500		
				Mar. 1, 1905	102,500	243,000	586,000	40,500
				Mar. 2, 1905	100,000			
				Mar. 17, 1905	40,500			
				Mar. 1, 1906	324,000			
				Apr. 1, 1907	25,000			
				Apr. 17, 1907	75,000			
				Apr. 26, 1907	55,000			
				Sept. 24, 1908	12,500			
				Feb. 26, 1909	10,000			
				May 29, 1909	5,000			
				July 28, 1909	4,500			
				May 9, 1910	40,000			

			July 1, 1910	18,000			
			Aug. 15, 1910	17,000			
Bonds of January 1, 1909. 4½%.							
†Water Supply	643	600,000	June 30, 1909	240,000	1 redemption at $100,000		
			Dec. 30, 1909	360,000	100,000	500,000	100,000
Bonds of July 1, 1910. 4½%.							
†Geary Street Railway	1062	448,000	July 22, 1910	77,000		448,000	
			July 25, 1910	10,000			
			July 28, 1910	120,000			
			Aug. 2, 1910	1,000			
			Aug. 9, 1910	12,000			
			Aug. 10, 1910	74,000			
			Aug. 11, 1910	16,000			
			Aug. 12, 1910	1,000			
			Aug. 15, 1910	15,000			
			Aug. 17, 1910	13,000			
			Aug. 18, 1910	1,000			
			Aug. 22, 1910	11,000			
			Aug. 23, 1910	4,000			
			Aug. 25, 1910	6,000			
			Aug. 26, 1910	1,000			
			Aug. 31, 1910	2,000			
			Sept. 1, 1910	79,000			
			Sept. 8, 1910	2,000			
			Oct. 1, 1910	3,000			
Bonds of July 1, 1908. 5%.							
†Garbage System	497	840,000	Feb. 26, 1909	400,000		840,000	50,000
			Aug. 19, 1909	100,000			
			Sept. 15, 1909	140,000			
			Dec. 30, 1909	140,000			
			Jan. 15, 1910	60,000			

† Date when interest is payable, Jan. 1, July 1. Rate of interest 3½%.

* Date when interest in payable, June 30, Dec. 31. Rate of interest 4½%.

BONDED INDEBTEDNESS, NOV. 8, 1910—Continued

Bonds of July 1, 1908. 5%.

Municipal Bonds Name of Bonds	No. of Ordinance Under Which Bonds Were Issued	Bonds Issued Face Value	Date of Sale	Items of Amount	Bonds Redeemed	Outstanding Face Value	Falling Due 12 Months After Mar. 1, 1911
†Hall of Justice	497	660,000	Apr. 15, 1909	150,000		660,000	
			May 19, 1909	15,000			
			June 11, 1909	335,000			
			Aug. 19, 1909	160,000			
†Hospital		1,120,000	Oct. 22, 1908	280,000		1,120,000	
			May 19, 1909	80,000			
			June 11, 1909	170,000			
			Sept. 2, 1909	150,000			
			Dec. 22, 1909	66,000			
			Jan. 15, 1910	374,000			
†Sewer		2,600,000	Oct. 17, 1908	800,000		2,600,000	
			July 8, 1909	200,000			
			July 19, 1909	200,000			
			July 27, 1909	100,000			
			Aug. 13, 1909	100,000			
			Aug. 31, 1909	100,000			
			Sept. 15, 1909	100,000			
			Dec. 24, 1909	300,000			
			Jan. 15, 1910	700,000			
†School		2,900,000	Oct. 26, 1908	1,200,000		2,900,000	
			Mar. 31, 1909	50,000			
			Apr. 15, 1909	50,000			
			Apr. 30, 1909	400,000			

		May 19, 1909	15,000		
		June 11, 1909	285,000		
		July 19, 1909	100,000		
		Dec. 22, 1909	352,000		
		Dec. 30, 1909	160,000		
		Jan. 11, 1910	7,000		
		Jan. 15, 1910	281,000		
†Fire Protection	4,200,000	Oct. 15, 1908	1,000,000		4,200,000
		Mar. 31, 1909	750,000		
		Apr. 30, 1909	600,000		
		June 1, 1909	100,000		
		Aug. 9, 1909	100,000		
		Sept. 15, 1909	450,000		
		Dec. 22, 1909	210,000		
		Dec. 24, 1909	420,000		
		Jan. 15, 1910	570,000		
	$18,990,000		$18,990,000	$2,674,000	$16,316,000

† Date when interest is payable, Jan. 1, July 1. Rate of interest 4½%.

STATEMENT OF ASSESSED VALUE OF PROPERTY, RATE OF TAXATION AND AMOUNT OF TAX LEVIED FROM 1850 TO 1916-1917 INCLUSIVE

Fiscal Year	ASSESSED VALUE			RATE PER $100 VALUATION		
	Valuation of Real Estate & Improvements	Valuation of Personal Property	Total Valuation	Rate for City and County Purposes	Rate for State Purposes	Total Rate on Each $100 Valuation
a1850	$16,849,054.00	$ 4,772,160.00	$21,621,214.00	$1.500	$ .50	$2.000
1851	11,141,463.00	2,875,440.00	14,016,903.00	3.600	.50	4.100
1852	15,676,356.00	2,805,381.00	18,481,737.00	4.115	.30	4.415
1853	24,048,150.00	4,852,000.00	28,900,150.00	3.285	.60	3.885
1854	28,925,220.00	5,837,607.00	34,762,827.00	3.255	.60	3.855
a1855	27,002,725.00	5,073,847.00	32,076,572.00	3.15 5-6	.70	3.85 5-6
1856	26,173,284.00	4,194,970.00	30,368,254.00	1.600	.70	2.300
1857	22,970,841.00	12,426,335.00	35,397,176.00	1.700	.60	2.300
1858	19,501,150.00	11,224,800.00	30,725,950.00	1.850	.60	2.450
1859	20,696,220.00	9,323,002.00	30,019,222.00	2.569	.60	3.169
1860	25,125,825.00	10,683,814.00	35,809,639.00	2.250	.60	2.850
1861-62	41,870,811.00	Real & Personal	41,870,811.00	2.25	.62	2.87
1862-63	37,016,101.87	29,540,553.93	66,566,655.00	1.975	.77	2.74½
1863-64	43,153,212.50	35,566,125.21	78,709,337.71	1.20	.90	2.10
1864-65	47,345,973.66	35,851,652.03	83,197,725.79	1.73	1.25	2.98
1865-66	49,169,047.00	29,775,496.34	88,934,543.34	1.97	1.15	3.12
1866-67	53,131,183.00	43,214,976.43	96,740,159.43	1.97	1.13	3.10
1867-68	58,207,861.85	51,152,963.88	109,360,825.73	1.87	1.13	3.00
1868-69	63.631,721.22	42,782,307,60	106,414,028.82	2.05	1.00	3.05
1869-70	69,776,603.00	44,982,907.67	114,759,510.63	2.11	.97	3.08
1870-71	75,145,717.00	31,246,159.00	106,391,876.00	1.98	.865	2.84½
1871-72	76,124,551.00	28,900,988.00	105,025,534.00	2.105	.865	2.97
1872-73	180,571,640.00	108,011,616.90	288,533,256.00	1.00	.50	1.50
1873-74	212,407,505.00	Real & Personal	212,407,505.00	1.10	.50	1.60
1874-75	162,466,177.00	101,763,267.00	264,229,444.00	1.45	.64 9-10	2.09 9-10
1875-76	169,944,327.00	99,160,814.00	269,105,141.00	1.00	.60 5-10	1.60½
1876-77	190,222,363.00	70,354,615.00	260,576,987.00	1.39	.73 5-10	2.12½
1877-78	190,973,720.00	63,873,330.00	254,867,050.00	1.20	.63	1.83
1878-79	190,280,810.00	54,196,550.00	244,477,360.00	1.69	.55	2.24
1879-80	166,429,845.00	51,057,229.00	217,487,074.00	1.37	.62 5-10	1.995
1880-81	165,023,658.00	279,287,738.00	444,311,396.00	1.57	.64	2.21
*1881-82	168,301,669.00	71,121,990.00	239,423,662.00			
1881-82	155,834,879.00	66,598,521.00	222,433,400.00	1.15	.65 5-10	1.80 5-10
1882-83	151,894,908.00	50,267,099.00	202,162,007.00	1.20 63-100	.59 6-10	1.80 23-100

*1883-84	182,531,759.00	70,691,188.00	253,452,389.00			
1883-84	158,723,269.00	62,272,534.00	221,225,245.00	1.20	.49 7-10	1.69 7-10
*1884-85	180,917,078.00	64,240,218.00	245,157,396.00			
1884-85	164,495,888.00	59,013,672.00	223,509,560.00	1.125	.45 2-10	1.57 7-10
1885-86	171,416,426.00	56,192,922.00	227,609,348.00			
*1885-86	192,843,592.00	61,482,367.00	254,325,959.00	1.04 89-100	.54 4-10	1.54 29 100
1886-87	175,409,145.00	54,741,864.00	230,151,009.00	1.01 10-100	.56	1.57 1-10
1887-88	191,618,454.00	60,127,657.00	251,746,111.00	1.14 78-100	.60 8-10	1.75 58-100
1888-89	211,467,987.00	61,921,629.00	273,380,616.00	1.06 7-10	.50 4-10	1.57 1-10
**1889-90	241,119,410.00	64,920,995.00	306,040,405.00	1.00	.72 2-10	1.72 2-10
1890-91	235,361,768.00	66,082,372.00	301,444,140.00	1.03	.58	1.61
City & County						
*1891-92	244,515,331.00	67,050,748.00	311,556,079.00			
State						
1891-92	317,864,930.00	81,956,147.00	399,826,077.00	1.03	.44 6-10	1.47 6-10
City & County						
*1892-93	277,340,008.00	68,884,698.00	346,224,706.00			
State						
1892-93	332,808,010.00	79,239,002.00	412,047,076.00	1.00	.43 4-10	1.43 4-10
1893-94	276,457,420.00	66,186,759.00	342,644,174.00	1.03	.57 6-10	1.60 6-10
*1894-95	261,808,995.00	63,299,903.00	325,108,898.00	1.00	.49 3-10	1.49 3-10
1895-96	265,018,605.00	62,786,542.00	327,805,147.00	1.565	.68½	2.25
*1896-97	330,401,154.00	91,668,562.00	422,069,716.00	.96 92-100	.42 9-10	1.39 82-100
1897-98	278,157,865.00	69,797,055.00	347,954,920.00	1.1854	.51	1.69 54-100
1898-99	282,769,730.00	69,574,331.00	352,344,061.00	1.318	.48 8-10	1.806
1899-1900	285,305,370.00	119,806,245.00	405,111,615.00	1.029	.60 1-10	1.63

On account of records having been destroyed by fire it is impossible to segregate and classify the property as in the following statement.

CLASSIFIED PROPERTY VALUATION OF ASSESSMENTS FROM 1900 TO 1917 INCLUSIVE, SHOWING THE INCREASE AND DECREASE EACH YEAR.

Year	Real Property	Improvements	Money and Solvent Cr.	Other Personal Property	Total	Tax Levy	Increase	Decrease
1900-01	$190,457,425	$ 98,073,220	$35,832,828	$85,783,481	$410,146,954	$1.625		
1901-02	192,447,170	97,234,822	37,779,400	85,685,435	413,146,827	1.5562	$ 2,999,873	
1902-03	191,804,510	96,631,790	41,678,038	89,854,306	419,968,644	1.6082	6,821,817	
*1903-04	201,507,990	98,584,160	33,599,059	93,955,120	427,646,329	1.637	7,677,685	
1904-05	293,500,985	86,781,965	33,648,682	88,963,727	502,895,359	1.655	75,249,030	
1905-06	304,135,185	97,831,165	33,697,084	88,567,502	524,230,936	1.654	21,335,577	
1906-07	237,038,272	50,248,580	20,317,485	68,328,110	375,932,447	1.798		$148,298,489
1907-08	260,657,806	66,816,201	33,746,680	68,390,931	429,611,618	1.860	53,679,171	
1908-09	258,652,434	90,860,558	35,180,615	69,640,553	454,334,160	1.900	24,722,542	
City & County *1909-10	283,169,233	122,974,828	30,606,757	56,116,219	492,867,037	1.60	38,532,877	
State raise on valuation					539,097,371	.364		
1910-11	288,095,453	145,167,790	31,970,628	49,794,229	515,028,100	2.00	21,161,063	
Non-operative 1911-12	269,290,025	135,230,645	13,623,237	43,711,874	461,855,781	2.00		53,172,319
Operative State†	19,366,850	3,950,130	15,697,757	44,193,829	83,208,566	.05		
Non-operative 1912-13	301,196,140	146,584,097	13,075,374	49,576,490	510,432,101	2.05	48,576,320	
Operative State†	22,518,920	23,246,100	25,494,125	23,122,003	94,381,148	.044		
Non-operative 1913-14	303,903,155	157,378,977	13,985,210	50,980,194	526,247,536	2.20	15,815,435	
Operative State†	22,407,930	22,608,070	22,527,482	26,056,711	97,600,193	.042		
Non-operative 1914-15	304,579,974	165,496,937	18,423,097	53,394,435	541,894,443	2.25	15,646,907	
Operative State†	21,477,260	28,378,191	31,041,464	24,416,156	105,313,071	.039		
Non-operative 1915-16	304,288,151	172,536,727	15,935,329	45,943,543	538,703,750	2.25		3,190,693
Operative State†	22,901,250	27,212,039	33,656,659	33,870,531	117,640,479	.....		
Non-operative 1916-17	302,575,489	175,587,605	17,231,204	47,368,758	542,563,056	2.26		
Operative State	8,046,400	4,498,670	50,948,302	149,832,646	213,325,918	.....		
							3,859,306	‡337,077,603

‡ Showing net increase over 17 years of $132,416,12.

* Years in which the State Board of Equalization increased the valuation of property for State purposes: 1881-82, 8%; 1883-84, 15%; 1884-85, 10%; 1885-86, 12½%; 1891-92, 30%; 1892-93, 20%; 1894-95, 15%; 1896-97, 20%; 1903-04, 30%; 1909-10, 10%.

**Decrease of 5% in the fiscal year 1899-90.

a Until April 19, 1856, San Mateo County was included in San Francisco County.

† This property is operative and under Constitutional Amendment No. 1 cannot be taxed for City and County purposes.

CITY AND COUNTY OF SAN FRANCISCO

Office of the Auditor
March 16, 1916.

Members of FINANCE COMMITTEE:

Gentlemen:

For several years I have devoted considerable time to the revision of the accounting system of the city government and the preparation of annual budget estimates. I have presented my suggestions and figures, under the new system, to two previous Finance Committtees of the Board of Supervisors without results, and intend to offer the 1916-17 Budget to your Committee, with estimates, with the hope that you will follow these suggestions and, by so doing, place the City of San Francisco in the list of progressive municipalities now using satisfactorily this efficient method of scientific budget making:—A system of budget classification promoted by the Bureau of Statistics of the United States Government and endorsed by the Bureau of Municipal Research of New York and our own State and urged for acceptance on the part of all municipalities in order that experts sent by the United States Government may find a uniform system in all cities. Possibly it is a matter in which there is small need of my entering into any extended discussion with your Committee, but in the greater facility for the acquisition of reliable data on the part of all concerned, which is reached by means of a properly prepared budget, I have found so much of satisfaction and a growing realization of its importance that I feel it cannot be out of place to record my attitude at this time.

Objects of the Budget.

In a primary sense the objects of the municipal budget are to arrive at the required amounts for the administrative and operating expense of each department and to provide funds therefor; to fix a definite total, whose limit shall not be exceeded, and in thus restricting the expenditures in each department to a definitely stated sum, to exercise a positive and efficient control over the city's expenditures.

The Budget a sure guide to competent administration.

The budget, scientifically prepared, is not only a positive essential factor in the administration of the city's finances, but, being designed to meet the increasing demands of modern municipal governments, it should constitute an unfailing source of guidance to future administration in its clear and significant exposition of the costs of any undertaking.

The Budget leads to an effective system of accounting control.

The scientific compilation of the Budget, in pre-determining outlays and fixing their several channels, becomes therefore a substantial base upon which can be created an absolutely effective system of accounting control, not alone generally, but departmentally. From its prevision and result the city's experience (devoid of any experimentation) may be presented in occasional reports affording to the people an interesting, reliable and thoroughly intelligible exposition of the administration of their affairs.

An efficient Budget insures clarity of public understanding.

The organization, classification and presentment of the Budget appropriations, detailed in their application to the needs of every department of municipal activity, made readily understandable by the public, constitute a medium for public information and guidance by which, in the clear understanding of municipal finance, their influence may be felt in efficiency and economy in governmental affairs. Herein lies the surest avenue to continued and lasting improvement in municipal administration.

The Budget assures an equitable apportionment of appropriations.

Thus, as the intelligent appropriations of funds is a fundamental principal of municipal finance, this wise direction must also include an equitable apportionment of appropriations in accordance with the needs to be met. At the same time the fixing of definite limits and the restrictions as to the employment of funds will assure the application of monies to their intended purpose.*

CLASSIFICATION

I. General Government:

Legislative Department:—Supervisors, Board of Public Works (Administrative), Civil Service Department, Board of Censors; **Executive Department:**—Mayor; **Finance and Accounts**—The Auditor, the Treasurer; **Assessment and Revenue Department:**—Assessor's Department; **Collections of Revenue:**—Tax Collector's Office; **Law Offices:**—The City Attorney's Office, the District Attorney's Office; **Department of Elections:**—General Office, Office and District Registra-

* NOTE.—Subsequent to the presentation to the Finance Committee of the above letter and the preparing and reporting of the financial statement, matters have so shaped themselves that I am able to report that my advocacy of a standard system of accounting and budget making in their entirety is about to become effective, and preparations are now being made to install a new system of accounting within the next fiscal year.

The Board of Supervisors has set aside an allowance and contracted with a well-known firm of certified public accountants to prepare and install a new system, also one of our foremost civic organizations has subscribed the sum of $100,000 for a like purpose, and they are co-operating with the Auditor with a view of inaugurating a standard system of accounting.

tion, Primary Election, General Election; **Judicial Department:**—Justices' Court, Superior Court, Grand Jury Expenses, Jury Fees and Witness Expense, Examination and Caring for Insane, Police Courts, Law Library, Public Administrator, County Clerk, Coroner, Sheriff; **Municipal Buildings.**

II. Protection to Life and Property:

Department of Electricity, Fire Department (Including Water and Pensions), Police Department, Recorder of Deeds, Sealer of Weights and Measures, Public Pound.

III. Conservation of Health:

Department of Health (Administration and Vital Statistics), Tubercular Hospital, Isolation Hospital.

IV. Sanitation and Promotion of Cleanliness:

Repairs to Sewers and Catch Basins, Garbage Disposal, Cleaning and Sweeping Streets, Special Sanitation.

V. Highways and Streets:

Special Funds for Improvements of Streets and Highways, etc., Surveys and Resurveys, Repairs to Streets, Lighting Streets, Bridges, Municipal Water Works.

VI. Charities and Corrections:

Maintenance of Minor Children, Widows' Pension Bureau, Burial of Indigent Dead and Ex-Union Soldiers, Relief Home for Aged, City and County Hospital, Emergency Hospitals, Probation Officers (Juvenile), Juvenile Detention Home.

VII. Education:

Public Library, Common Schools (not including Repairs).

VIII. Recreation:

Parks, Playgrounds, Municipal Concerts and Entertainments, Celebrations.

IX. Bond Interest and Sinking Funds:

X. Public Service Enterprises:

Municipal Railway, Water Works.

Respectfully submitted,

THOS. F. BOYLE,
Auditor.

CITY AND COUNTY OF SAN FRANCISCO

Office of the Auditor
May 1st, 1916

The Honorable BOARD OF SUPERVISORS.

Dear Sirs:

In compliance with the requirements of the Charter of the City and County of San Francisco, Article III, Chapter I, Section II, I submit herewith my estimate in detail of the probable expenses and revenue for financial operations for the ensuing fiscal year 1916-17, together with an abstract of the estimated total expenses for each department.

The compilation of these estimates has been made as heretofore in conformity with the plans suggested and advocated by the United States Bureau of Census and Statistics, and explained to you in the abstract accompanying a communication addressed by me to your Finance Committee under date of March 16th.

The enclosed Budget Estimate, as you will see, has involved a large amount of labor in its compilation, for the reason that we have segregated each item of expense and arranged the same under its proper department and classification, as suggested in my communication already referred to, believing that in the event of your adopting this form of Budget it will constitute an invaluable guide to you.

Of course, it is understood that the adoption of the form does not imply an exact following of the amounts of my estimate.

Inasmuch as I am not in possession of all the information presented by the numerous civic organizations regarding the desired improvements in their several districts, it follows that I am not in a position to intelligently estimate the sums necessary to accommodate their demands. But, from a general observance of numerous improvement activities, I have recommended the sum of $536,000.00, apportioned as follows:

Acquisition of Marina	$100,000.00
Beach Esplanade	50,000.00
New Schools	300,000.00
New Fire Building	30,000.00
Playground (Noe and Eureka Valley District)	25,000.00
Playground—Building and Equipment—Pt. Lobos	25,000.00
Maintenance of Branch Library—Golden Gate Valley	6,000.00
	$536,000.00

In connection with the last item of $6,000.00, the property was acquired through private subscription of district residents, and the money is now on hand for the erection of the building.

The total stated above is in addition to $1,091,650.00, which I have estimated and set aside in the Budget for Improvement of Streets and Sewers.

Appreciating the natural increase due to growth and extension, I have also made provision therefor in addition to previous appropriations in such departments as the Maintenance of Minors and Orphans, Widows' Pensions, Bond Funds, School Funds, Public Libraries, Health Department, City Hall and Auditorium Maintenance, etc.

As there has been service made upon me in the total sum of $145,116.77, representing final judgments rendered against the City and County, these judgments having been verified by the County Clerk, I would respectfully invite your attention thereto.

In this connection, I wish to inform you that there is a probable surplus from the fiscal year 1914-15 of $52,000.00, and it would, therefore, be necessary for you to appropriate the balance of $93,000.00, if you intend to liquidate these claims.

All of which is respectfully submitted.

THOS. F. BOYLE,
Auditor City and County of San Francisco.

AUDITOR'S ESTIMATE

Probable Expenditures and Revenue for the Fiscal Year 1916-1917.

GENERAL GOVERNMENT

Legislative Department (Supervisors).

Supervisors—18 at $2,400 each	$ 43,200.00	
Clerk of Board	4,200.00	
Chief Assistant Clerk	3,000.00	
Expert Accountant	3,600.00	
Bond and Ordinance Clerk	3,000.00	
Assistants—3 at $2,100 each	6,300.00	
Assistants—2 at $1,800 each	3,600.00	
Assistants—3 at $1,500 each	4,500.00	
Assistant—1 at $2,100 Stationery	2,100.00	
Stenographer	2,100.00	
Stenographers—2 at $1,200 each	2,400.00	
Telephone Operator and Filing Clerk	1,200.00	
Telephone Operator, Superior Courts	1,200.00	
Sergeant at Arms	1,440.00	
Chauffeur	1,500.00	
Light and Water Inspector	2,100.00	
Light and Water Inspector, Assistant	1,680.00	
Horticultural Inspector	1,500.00	
Superintendent of Supplies	3,000.00	
Superintendent of Supplies, Assistant	1,500.00	
		93,120.00
Finance Committee Investigations	5,000.00	
Advertising Ordinances and Resolutions	20,000.00	
Furniture and Office Equipment	5,000.00	
Printing Public Documents	15,700.00	
Premium on Official Bonds	295.00	
Stationery, Postage, etc.	4,500.00	
Auto Repairs and Gasoline	8,500.00	
Urgent Necessities	90,000.00	
		148,995.00
Miscellaneous Expenditures— Under Control of Supervisors:		
Printing Law and Motion Calendar	5,000.00	
Printing Municipal Reports	3,600.00	
Printing License Blanks, Tags and Numbers	3,000.00	

GENERAL GOVERNMENT—Continued

Legislative Department—(Supervisors)—Continued

Printing Block Books and Posting for several Departments	3,500.00	
Rebinding Books	500.00	
Furniture, and Equipping City Hall	30,000.00	
		45,600.00

Total $287,715

Executive Department.

Mayor's Office.

Mayor	6,000.00	
Secretary	2,400.00	
Assistant Secretary	2,100.00	
Stenographer	1,500.00	
Stenographer	1,200.00	
Stenographer	900.00	
Telephone Operator	1,020.00	
Usher	900.00	
Chauffeur	1,500.00	
		17,520.00
Contingent Expenses	3,600.00	
Incidental	1,740.00	
Advertising	250.00	
Premium on Official Bonds	62.50	
Stationery and Printing	650.50	
		6,303.00

Total $23,823

Assessments.

Assessor's Office.

Assessor	8,000.00	
Chief Deputy	2,400.00	
Cashier	1,800.00	
Assistant Deputies—4 at $2,100 each	8,400.00	
Assistant Deputies—4 at $1,800 each	7,200.00	
Assistant Deputies—18 at $1,500 each	27,000.00	
Cartographer	1,800.00	
Extra Clerks, as may be required	40,000.00	
		96,600.00
Transportation	1,500.00	
Sundry Expense	500.00	
Premium on Official Bonds	250.00	
Stationery and Printing	5,500.00	
		7,750.00

Total $104,350

GENERAL GOVERNMENT—Continued

Finance and Accounts.

Auditor's Office.

Auditor	4,000.00	
Chief Deputy	2,400.00	
Deputies—3 at $2,400 each	7,200.00	
Deputies—5 at $1,800 each	9,000.00	
Assistant Deputies—2 at $1,500 each	3,000.00	
Clerks—2 at $1,200 each	2,400.00	
Stenographer-Bond Clerk	1,500.00	
Telephone Operator	1,020.00	
Attorney's Fees	1,800.00	
		32,320.00
Assessment Roll: Extending Valuations, Computing Taxes, Computing and Compiling Reports for State Controller, State Tax Commission, Widows' and Orphans' Aid, Extending and Computing State Operative Property, Expert service relative to above, etc.	8,500.00	
Incidentals	400.00	
Premium on Official Bonds	175.00	
Stationery, Postage and Adding Machines	1,000.00	
		10,075.00

Total $42,395

Treasurer's Office.

Treasurer	4,000.00	
Chief Deputy	2,400.00	
Bank and Bond Deputy	3,000.00	
Deputy	2,400.00	
Deputy	1,800.00	
Clerk	1,800.00	
Clerk	1,200.00	
Coupon Clerk	1,800.00	
Collateral Inheritance Deputy	2,400.00	
Bookkeeper	2,100.00	
Bookkeeper	1,800.00	
Cashier	3,600.00	
		28,300.00
Advertising	300.00	
Premium on Official Bonds	1,000.00	
Stationery and Printing	700.00	
Sundry Expense	400.00	
		2,400.00

Total $30,700

GENERAL GOVERNMENT—Continued

License and Tax Revenues.

Tax Collector's Office.

Tax Collector	4,000.00	
Chief Deputy	2,400.00	
Cashier	2,400.00	
Deputies—13 at $1,500 each	19,500.00	
Deputies—3 at $1,800 each	5,400.00	
Deputy (License Adjuster)	1,800.00	
Deputy (Assistant Bookkeeper)	1,800.00	
Assistant Cashiers—2 at $1,800 each	3,600.00	
Temporary Cashiers—4 at $150 a mo., 2 mos.	1,200.00	
Expert Searcher	1,800.00	
Accountant	2,400.00	
Block Book Man	1,500.00	
Acting Deputies at $1,500 each	12,500.00	
Stenographer	1,380.00	
Extra Clerks	6,220.00	
		67,900.00
Expense—		
Advertising	500.00	
Printing Delinquent List	2,000.00	
Transportation	700.00	
Stationery	3,300.00	
Premium on Official Bonds	500.00	
		7,000.00

Total $74,900.00

Efficiency Department.

Civil Service Commission.

Commissioners—3 at $1,200 each	3,600.00	
Chief Examiner and Secretary	2,400.00	
Chief Examiner Assistant	1,500.00	
Secretary	1,800.00	
Clerks—2 at $1,200 each	2,400.00	
Inspectors—2 at $2,400 each	4,800.00	
Special Examiners and Expense of Maintenance	2,200.00	
Stenographers—2 at $1,200 each	2,400.00	
		21,100.00
Advertising	350.00	
Stationery	2,000.00	
		2,350.00

Total $23,450

GENERAL GOVERNMENT—Continued

Department of Elections.		
Commissioners—5 at $1,000	5,000.00	
Registrar of Voters, Secretary	2,400.00	
Deputies—2 at $2,100 each	4,200.00	
Deputies—6 at $1,800 each	10,800.00	
Stenographers—2 at $1,200 each	2,400.00	
Storekeeper	1,200.00	
Registration Clerks—Office	25,000.00	
Clerical Services—Primary	15,000.00	
Clerical Services—Presidential	15,000.00	
District Registration	15,000.00	
Examining Petitions	2,500.00	
Election Officers, Primary	42,600.00	
Election Officers, General	42,600.00	
		183,700.00
Expense—		
Advertising	2,000.00	
Auto Hire and Livery	750.00	
Ballot Paper and Expressage	4,500.00	
Postage	8,000.00	
Premium on Bonds	125.00	
Printing Index and Binding Records	10,000.00	
Printing Blanks, Rosters, Tally Sheets, etc.	8,000.00	
Stationery	4,000.00	
Erecting, Equipping, Hauling, Repairing Booths, etc.	21,600.00	
Teaming and Hauling Supplies	1,000.00	
Warehouse and Storeroom Equipment	3,375.00	
		63,350.00
Total $247,050.00		
Board of Censors.		
Secretary	600.00	
		600.00
Coroner's Office.		
Coroner	4,000.00	
Chief Deputy	2,400.00	
Autopsy Physician	2,400.00	
Assistant Deputies—3 at $1,500 each	4,500.00	
Assistant Deputy and Driver	1,200.00	
Female Deputy	1,200.00	
Stenographer-Typewriter	1,800.00	
Stenographer	1,500.00	

GENERAL GOVERNMENT—Continued

Coroner's Office—Continued		
Toxicologist	1,200.00	
Night Clerk and Matron	1,020.00	
Matron-Clerk	1,020.00	
Morgue Tender	1,080.00	
Messenger	900.00	
		24,220.00
Maintenance—		
Ambulance Supplies and Repairs	750.00	
Chemicals and Disinfectants	150.00	
Drygoods	300.00	
Forage	250.00	
Horseshoeing and Clipping	100.00	
Laundry	150.00	
Premium on Bond	25.00	
Recovery of Bodies	500.00	
Removal of Garbage	60.00	
Stationery and Printing	300.00	
Sundry Equipment	305.00	
		2,900.00
Total $27,120.00		
Department of Public Works (Administrative).		
Commissioners—3 at $4,000 each	12,000.00	
		12,000.00
Deputy Commissioner	3,000.00	
Clerk	3,000.00	
Clerk	2,400.00	
Clerk	1,800.00	
Chauffeur	1,500.00	
Stenographers—2 at $1,680 each	3,360.00	
Stenographer—1 at $1,500.00	1,500.00	
Messenger	1,500.00	
Telephone Operators—2 at $1,020 each	2,040.00	
		20,100.00
Bookkeeping and Accounting.		
Bookkeeper	3,600.00	
Clerk	2,280.00	
Clerk	2,100.00	
Clerk	1,800.00	
Clerk	1,500.00	
Timekeeper	1,800.00	
Timekeepers—2 at $1,500 each	3,000.00	

GENERAL GOVERNMENT—Continued

Department of Public Works—Continued		
Timekeepers' Clerks—2 at $1,200 each	2,400.00	
Stenographer	1,680.00	
Cashier	2,400.00	
Cashier-Clerk	1,800.00	
Stenographer	1,500.00	
		25,860.00
Maintenance and Repair—Division "B".		
Clerk in Charge	2,100.00	
Clerks—4 at $1,500	6,000.00	
Clerks—1 at $1,320	1,320.00	
Clerks—1 at $1,200	1,200.00	
Stenographer	1,500.00	
		12,120.00
Storekeeping—Division "C".		
Storekeeper, Corporation Yard	2,100.00	
Clerk	1,320.00	
Watchman	1,440.00	
Watchmen—2 at $1,080 each	2,160.00	
Laborers—2 at $900 each	1,800.00	
		8,820.00
Public Buildings—Maintenance.		
Superintendent	3,000.00	
Assistant Superintendent	2,400.00	
Head Painter	2,160.00	
Head Plumber	2,160.00	
Head Janitor	2,100.00	
Head Janitor Assistants	2,580.00	
Janitors and Janitresses—64 at $1,080 each	69,120.00	
Watchmen—2 at $1,080 each	2,160.00	
Watchmen—Relief	597.00	
Engineers—2 at $2,100 each	4,200.00	
Engineers—Relief	1,650.00	
Engineers—5 at $1,500 each	7,500.00	
Firemen, Heating Station, 4 at $1,200 each	4,800.00	
Elevator Starter	1,200.00	
Elevator Conductors—17 at $1,080	18,360.00	
Maintenance Civic Auditorium (when required)	10,000.00	
		133,987.00

GENERAL GOVERNMENT—Continued

Department of Public Works—Continued

General Maintenance Public Works.

Transportation, Buggy and Auto Rentals	10,000.00	
Carfare	2,500.00	
Auto Maintenance	3,000.00	
Advertising Resolutions	10,000.00	
Cartage and Hauling	300.00	
Cleaning Supplies	4,000.00	
Elevator and Sundry Repairs	1,500.00	
Electric Supplies and Hardware	2,100.00	
Flags and Poles	400.00	
Fuel and Oil	8,000.00	
Lumber and Millwork	1,000.00	
Paints, Oils and Glass	1,000.00	
Plumbing Material	1,000.00	
Posting Blockbooks	200.00	
Premium on Official Bonds	375.00	
Removing Garbage	425.00	
Stationery and Printing	6,600.00	
Towel Service	2,250.00	
Photostat Supplies	2,000.00	
		56,650.00
Lighting Public Buildings—Gas	2,600.00	
Lighting Public Buildings—Electricity	61,000.00	
		63,600.00
Water for Public Buildings	34,000.00	
		34,000.00

Bureau of Architects.

Chief Draftsman	3,000.00	
Draftsman	2,400.00	
Draftsman	1,800.00	
Surveyor (Quantity)	1,980.00	
Clerk	2,100.00	
Stenographer	1,200.00	
		12,480.00

Legal Department—

City Attorney's Office.

City Attorney	5,000.00	
City Attorney—Assistants, 2 at $3,600 each	7,200.00	

GENERAL GOVERNMENT—Continued

Legal Department—Continued

City Attorney—Assistants, 4 at $3,000 each	12,000.00	
City Attorney—Assistant, 1 at $2,400	2,400.00	
City Attorney—Assistant, 1 at $1,800	1,800.00	
Chief Clerk	1,800.00	
Clerk	900.00	
Stenographers—2 at $1,200 each	2,400.00	
Stenographer-Typewriters—2 at $900 each	1,800.00	
Messenger	900.00	
		36,200.00
Litigation Expense, Ordinary	7,500.00	
Premium on Official Bond	25.00	
Stationery, Postage and Printing	1,000.00	
Law Books	500.00	
		9,025.00

Total $45,225.00

District Attorney's Office.

District Attorney	5,000.00	
District Attorney—Assistants, 4 at $3,600 each	14,400.00	
District Attorney—Assistants, 2 at $3,000 each	6,000.00	
District Attorney—Assistants, 6 at $2,400 each	14,400.00	
Warrant and Bond Clerk	2,400.00	
Warrant and Bond Clerk	2,100.00	
Warrant and Bond Clerk—Assistants, 4 at $1,500 each	6,000.00	
Chief Clerk	1,800.00	
Assistant Clerk	1,200.00	
Bookkeeper	1,200.00	
Stenographer	1,800.00	
Stenographer	900.00	
Messenger	1,500.00	
		58,700.00
For extraordinary expenses subject to order of Court through Board of Supervisors	6,000.00	
Stationery, Postage and Printing	800.00	
Premium on Official Bond	75.00	
		6,875.00

Total $65,575.00

GENERAL GOVERNMENT—Continued

Legal Department—Continued

County Clerk's Office.

County Clerk	4,000.00	
Chief Register Clerk	2,400.00	
Cashier	1,800.00	
Assistant Register Clerks—5 at $1,800 each	9,000.00	
Assistant Register Clerks—10 at $1,500 each	15,000.00	
Court Room Clerks—16 at $1,500 each (Superior Court)	24,000.00	
Court Room Clerks—4 at $1,500 each (Police Court)	6,000.00	
Copyists—31 at $1,200 each	37,200.00	
Deputies—6 at $1,200 each	7,200.00	
Messenger	1,200.00	
		107,800.00
Expense—		
Carfare and Incidentals	200.00	
Premium on Official Bonds	200.00	
Stationery, Postage and Printing	5,400.00	
		5,800.00

Total $113,600.00

Justices' Court.

Justices of the Peace—5 at $4,200 each	21,000.00	
Clerk	3,000.00	
Cashier	1,800.00	
Deputies—3 at $1,500	4,500.00	
Chief Deputy	1,800.00	
Messenger	1,500.00	
		33,600.00
Expense—		
Stationery, Law Books, etc.	1,100.00	
		1,100.00

Total $34,700.00

Law Library

Librarian	3,600.00	
Messenger	1,200.00	
		4,800.00
Expense	150.00	
		150.00

Total $4,950.00

GENERAL GOVERNMENT—Continued

Legal Department—Continued

Police Courts.

Judges—4 at $3,600 each	14,400.00	
Stenographers—4 at $2,400 each	9,600.00	
		24,000.00
Stationery and Postage	120.00	120.00
Total $24,120.00		

Superior Courts.

Judges—16 at $3,000 each	48,000.00	
Secretary	3,000.00	
Reporters' Fees, through order of court	20,000.00	
Interpreters—5 Superior and 3 Police Court at $1,200 each	9,600.00	
Messenger	960.00	
Court Orders (Miscellaneous)	4,000.00	
Secretary's Legal Expense for Incidentals	200.00	
Stationery, Printing and Postage	1,500.00	
Jury Fees and Witness Expense	28,000.00	
Jury Expense in Criminal Cases (Meals and Lodgings)	1,500.00	
Grand Jury Expense	2,500.00	
Examination of Insane	10,500.00	
		129,760.00

Sheriff's Department.

Sheriff	8,000.00
Under Sheriff	2,400.00
Attorney	1,800.00
Cashier	2,400.00
Chief Bookkeeper	1,800.00
Assistant Bookkeepers—2 at $1,500 each	3,000.00
Office Deputies—13 at $1,500 each	19,500.00
Bailiffs—18 at $1,200 each	21,600.00
Stenographer	1,200.00
Superintendent of Jails	1,800.00
Chief Jailer	1,800.00
Jailers—10 at $1,200 each	12,000.00
Prison Guards—22 at $600 each	13,200.00
Road Guards—6 at $900 each	5,400.00
Commissary	1,500.00

GENERAL GOVERNMENT—Continued

Legal Department—Continued

Matron	900.00	
Van Drivers—2 at $900 each	1,800.00	
Bookkeeper for all Jails	1,500.00	
Cooks—2 at $900 each	1,800.00	
Druggist	1,200.00	
		104,600.00
Expense of Maintenance—		
Blacksmithing and Wagon Repairs	575.00	
Directories	55.00	
Premium on Bond	300.00	
Removing Garbage	180.00	
Harness	175.00	
Horseshoeing and Clipping	725.00	
Livery	540.00	
Forage	2,600.00	
Stationery and Printing	1,400.00	
Veterinarian Service	60.00	
		6,610.00
Subsistence of Prison—		
Cleaning Supplies	250.00	
Drugs and Medical Supplies	900.00	
Drygoods, Clothing, Shoes, etc.	3,200.00	
Groceries and Provisions	31,000.00	
Fuel	1,800.00	
Furniture	2,400.00	
Hardware and Implements	800.00	
Ice	550.00	
Tableware	300.00	
Leathergoods	500.00	
Tobacco	600.00	
		42,300.00
Repairs to Jails—		
Concrete Work	1,200.00	
Plumbing	2,100.00	
Painting	1,500.00	
Lumber and Millwork	1,800.00	
General Repair Work	2,400.00	
		9,000.00

Total $162,510.00

Total General Government $1,811,360.00

PROTECTION TO PERSON AND PROPERTY.

Bureau of Building Inspection.

Chief Building Inspector	3,600.00	
Assistant Inspectors—2 at $2,100 each	4,200.00	
Assistant Inspectors—7 at $1,800 each	12,600.00	
Boiler Inspector	1,800.00	
Clerk-Stenographer	2,400.00	
Clerk	1,800.00	
Structural Engineer	2,400.00	
Inspector of House Numbers	2,100.00	
		30,900.00

Total $30,900.00

Department of Electricity.

Chief Electrician	3,000.00	
Secretary-Bookkeeper	2,100.00	
Stenographer	1,320.00	
Messenger	1,020.00	
Chief Inspector	1,800.00	
Inspectors—6 at $1,500 each	9,000.00	
Inspector Aero Construction	1,500.00	
Clerk	1,200.00	
Chief Operator, Fire Alarm and Police	1,800.00	
Assistants—7 at $1,500 each	10,500.00	
Telephone Operators—4 at $1,020 each	4,080.00	
Relief Operators, Vacation Period	300.00	
Foreman Machine Shop	1,620.00	
Instrument Makers—3 at $1,350 each	4,050.00	
Machinist	1,350.00	
Painter	1,350.00	
Assistant Chief Construction Department	2,400.00	
Foreman Lineman	1,500.00	
Linemen—12 at $1,350 each	16,200.00	
Cable Splicer	1,716.00	
Batteryman	1,500.00	
Storekeeper	1,200.00	
Hostler	1,200.00	
Repairer	1,380.00	
Laborers—3 at $720 each	2,160.00	
		75,246.00

Maintenance—	
Auto Licenses	60.00
Auto Repairs and Supplies	500.00
Blue Prints	60.00

PROTECTION OF LIFE AND PROPERTY—Continued

Department of Electricity—Continued

Carfare	275.00	
Cartage	250.00	
Cleaning Supplies	200.00	
Cable and Wire	6,000.00	
Cross Arms	300.00	
Electric Power	500.00	
Gasoline	500.00	
Hardware and Castings	3,200.00	
Electric Equipment	8,000.00	
Furniture and Benches	400.00	
Construction Work and Installing Police Boxes	16,000.00	
Fire Alarm Standards	2,500.00	
Incidentals	250.00	
Lumber	600.00	
Paints and Oils	500.00	
Rubber Goods	250.00	
Repairs to Wagons	250.00	
Stationery and Printing	860.00	
Transportation	545.00	
		42,000.00

Total $117,246.00

Emergency Hospital.

Chief Surgeon	2,400.00	
Chief Steward	2,100.00	
Clerk-Stenographer	1,200.00	
Assistant Surgeons—12 at $1,320 each	15,840.00	
Stewards—21 at $1,200 each	25,200.00	
Nurses—6 at $1,080 each	6,480.00	
Matrons—3 at $960 each	2,880.00	
Pupil Nurses—3 at $144	432.00	
Seamstress	720.00	
Drivers—15 at $1,200 each	18,000.00	
		75,252.00
Maintenance—		
Ambulance Repairs, Supplies, etc.	3,300.00	
Drugs and Medical Supplies	3,500.00	
Drygoods and Bedding	2,200.00	
Forage	600.00	
Groceries and Provisions	2,500.00	
Gas	250.00	
Horseshoeing	240.00	

PROTECTION OF LIFE AND PROPERTY—Continued

Emergency Hospital—Continued

Incidentals	230.00	
Liquors	270.00	
Printing and Stationery	800.00	
Rent of Premises	675.00	
Removing Garbage	185.00	
Rubber Goods	225.00	
Sundry Repairs	750.00	
		15,725.00

Total $90,977.00

Police Department.

Commissioners—4 at $1,200 each	$4,800.00	
Secretary	1,500.00	
Stenographer	1,800.00	
Surgeon	1,500.00	
Chief of Police	4,000.00	
Clerk to Chief	2,400.00	
Property Clerk	2,400.00	
Confidential Clerk	2,400.00	
Captain of Detectives	3,000.00	
Captains of Police—9 at $2,400 each	21,600.00	
Lieutenants—18 at $1,920 each	34,560.00	
Detective Sergeants—25 at $1,800	45,000.00	
Sergeants of Police—73 at $1,680	122,640.00	
Corporals of Police, 37 at $1,560	57,720.00	
Corporals, Additional—17 at $1,560	26,520.00	
Patrolmen—762 at $1,464 each (11 more than on present force)	1,115,568.00	
Police Detective Women—3 at $1,200 each	3,600.00	
Patrol Wagon Drivers—26 at $1,200 each	31,200.00	
Telephone Operators—4 at $1,020 each	4,080.00	
Telephone Operators—Relief	300.00	
Matrons—4 at $1,080	4,320.00	
Hostlers—9 at $1,140 each	10,260.00	
Cook	1,200.00	
Stenographers—2 at $1,200 each	2,400.00	
Engineers Police Launch—3 at $1,500 each	4,500.00	
		1,509,268.00
Contingent Expenses	10,000.00	
		10,000.00

PROTECTION OF LIFE AND PROPERTY—Continued

Police Department—Continued		
Maintenance of Police Department—		
Auto Supplies	2,800.00	
Auto, Cycle and Wagon Repairs	7,200.00	
Brooms, Brushes and Cleaning	450.00	
Crockery and Glassware	50.00	
Drugs and Medical Supplies	150.00	
Drygoods and Clothing	750.00	
Directories	200.00	
Electric Supplies	200.00	
Forage	7,600.00	
Fuel	1,500.00	
Gasoline and Oils	2,100.00	
Groceries and Provisions	6,000.00	
Hardware, Handcuffs, etc.	450.00	
Horses	1,500.00	
Horse Clipping and Shoeing	3,500.00	
Incidentals	250.00	
Premium on Official Bonds	87.50	
Photo Supplies	1,500.00	
Rubber Goods	500.00	
Wagon Material and Repairs	3,700.00	
Equipping Stations	1,000.00	
Stationery, including printing of Police Bulletin''	7,500.50	
		48,988.00
Repairs and Reconstruction	6,500.00	
		6,500.00
Fire Department.		
Commissioners—4 at $1,200 each	4,800.00	
Secretary	2,400.00	
Physician	1,800.00	
Stenographer	1,800.00	
Chief Engineer	5,000.00	
1st Assistant Chief	3,600.00	
2nd Assistant Chief	3,000.00	
Battalion Chiefs—11 at $2,700 each	29,700.00	
Operators at $1,500 each	19,500.00	
Engine Companies—48	797,280.00	
Relief Companies—2	8,040.00	
Chemical Companies—12	77,250.00	
Truck Companies—13	227,850.00	

PROTECTION OF LIFE AND PROPERTY—Continued

Fire Department—Continued

Fire Boat Companies—2	75,780.00	
Annual Increase of Salaries, Art. IX, Chapter VIII, Charter	5,600.00	
Monitor Batteries	4,320.00	
Water Towers—2	12,860.00	
		1,280,580.00

Corporation Yard Employees.

Superintendent of Engines	2,700.00	
Clerk and Commissary	1,800.00	
Night Watchman	1,200.00	
Watchmen—4 at $1,200 each	4,800.00	
Draymen—2 at $1,200 each	2,400.00	
Machinists—10	14,085.00	
Draftsman	1,500.00	
Foreman Carriage Shop	1,565.00	
Blacksmiths—5 at $4.50 per day	7,040.00	
Blacksmiths' Helpers—5 at $3.75 per day	5,865.00	
Woodworkers—$2 at $1,400 each	2,800.00	
Patternmaker	1,620.00	
Brass Finisher	1,400.00	
Boiler Makers—2, Helpers—2	4,810.00	
Steamfitter	1,800.00	
Foreman Painter	1,500.00	
Carriage Painters—3	4,200.00	
Foreman Harness Maker	1,500.00	
Harness Makers—3	3,900.00	
		66,485.00
Superintendent of Stables	1,860.00	
Veterinarian	1,200.00	
Hostlers—8 at $1,200 each	9,600.00	
Horseshoers	6,260.00	
Drayman	1,200.00	
		20,120.00
Auxiliary Fire Protection: Pumping Stations—		
Chief Engineers—2 at $2,100 each	4,200.00	
Assistant Engineers—5 at $1,500 each	7,500.00	
Firemen—7 at $1,200 each	8,400.00	
		20,100.00

PROTECTION OF LIFE AND PROPERTY—Continued

Fire Department—Continued

Distributing System.

Superintendent	2,400.00	
Foreman Gateman	1,500.00	
Gatemen—5 at $1,200 each	6,000.00	
Laborers—3 at $3.00 per day	2,817.00	
Caulker	1,408.00	
Keeper Twin Peaks and Ashbury Reservoirs	1,440.00	
Hydrantmen	8,400.00	
		23,965.00
Maintenance—		
Advertising	250.00	
Auto Supplies and Repairs	8,000.00	
Badges	300.00	
Brass Material and Castings	2,500.00	
Boiler Repairs and Compound	4,000.00	
Brooms, Brushes, etc.	750.00	
Cleaning and Stable Supplies	1,000.00	
Drugs and Chemicals	3,000.00	
Duck Cloth and Tarpaulin	1,000.00	
Draftsmen's Supplies	500.00	
Electric Current	600.00	
Forage	38,000.00	
Furniture	3,000.00	
Fuel and Oil—	25,000.00	
Gasoline	4,000.00	
Harness and Material	2,000.00	
Hardware, Iron and Steel	6,000.00	
Horseshoeing Material	3,500.00	
Insurance, Marine	3,500.00	
Lumber and Wagon Material	3,000.00	
Machinery and Repairs	2,500.00	
Metal Polish	400.00	
Pads for Horses	2,500.00	
Pasturing Horses	700.00	
Paints, Oils and Brushes	2,500.00	
Plumbing and Steamfitting Material	1,500.00	
Premium on Bonds	125.00	
Removing Garbage	3,375.00	
Repairs to Fire Boats	2,000.00	
Rent of Premises	2,000.00	

PROTECTION OF LIFE AND PROPERTY—Continued

Fire Department—Continued

Rubber Goods	2,500.00	
Recharging Batteries	600.00	
Stationery, Printing and Postage	2,400.00	
Hydrants	7,000.00	
		140,000.00
Apparatus	50,000.00	
Hose	10,000.00	
Horses	5,000.00	
		65,000.00
Alterations and Repairs to Fire-houses	10,000.00	
		10,000.00

Water.

Water Fireboats	600.00	
Water Hydrants	135,000.00	
Water High Pressure System	9,150.00	
		144,750.00
Exempt Firemen's Allowance	5,000.00	
		5,000.00
Firemen's Relief and Pension Fund	110,000.00	
		110,000.00
Accident Insurance (City Employees)	6,000.00	
		6,000.00

Recorder's Office.

Recorder	4,000.00	
Chief Deputy	2,400.00	
Deputies—5 at $1,800 each	9,000.00	
Clerks—9 at $1,500 each	13,500.00	
Machinist	1,500.00	
Copyists	36,000.00	
		66,400.00
Expense—		
Stationery	2,700.00	
Premium on Bonds	35.00	
Restoring Maps	1,000.00	
Typing Machines	465.00	
		4,200.00

Total $70,600.00

PROTECTION OF LIFE AND PROPERTY—Continued

Sealer of Weights and Measures.		
Head Sealer	2,400.00	
Assistant Sealers	7,200.00	
		9,600.00
Auto Supplies and Repairs	500.00	
Stationery and Printing	200.00	
Incidentals	300.00	
		1,000.00
Total $10,600.00		
Public Pound	12,000.00	
		12,000.00
Public Administrator.		
Advertising	200.00	
Premium on Official Bond	250.00	
		450.00
Total 450.00		

CONSERVATION OF HEALTH

Department of Health—General Office.		
Health Officer	3,600.00	
Chief Clerk	2,700.00	
Bookkeeper (Auditor)	2,400.00	
Mortuary Clerk	1,500.00	
Birth Registry Clerk	1,500.00	
Sanitation Clerk	1,920.00	
Complaint Clerk	1,200.00	
Auditor's Clerk	1,200.00	
Filing Clerk	1,080.00	
Stenographers—3 at $1,200 each	3,600.00	
Telephone Operator	1,020.00	
City Physician	2,400.00	
Health Dept. Vacation Allowance	3,000.00	
		27,120.00
Inspection.		
Chief Inspector	3,000.00	
Sanitary Inspectors—4 at $1,800 each	7,200.00	
Industrial Inspectors—3 at $1,500 each	4,500.00	
Chief Plumbing Inspector	2,100.00	
Assistant Inspectors—5 at $1,800 each	9,000.00	

CONSERVATION OF HEALTH—Continued

Inspection—Continued

Veterinary Meat Inspectors—4 at $1,620 each	6,480.00	
Market Inspectors—13 at $1,500 each	19,500.00	
Dairy Veterinarians—2 at $1,800 each	3,600.00	
Disinfectors—2 at $1,500 each	3,000.00	
Dairy Inspectors—2 at $1,500 each	3,000.00	
Food Inspectors—2 at $1,500 each	3,000.00	
Medical School Inspector	1,800.00	
Medical School Inspectors—2 at $1,200 each	2,400.00	
School Inspectors—3 at $1,020 each	3,060.00	
School Inspectors—6 at $960 each	5,760.00	
School Inspectors—5 at $900 each	4,500.00	
Tenement House Inspectors—2 at $1,500 each	3,000.00	
Indigent Inspector	1,200.00	
		86,100.00

Laboratory.

Director	3,600.00	
Assistant	1,500.00	
Stenographer-Clerk	900.00	
Bacteriologist	900.00	
Helper	720.00	
Chemists—2 at $1,500 each	3,000.00	
Helper	900.00	
		11,520.00

Maintenance.

Auto Licenses	140.00	
Auto Hire and Transportation	2,000.00	
Auto Supplies and Repairs	2,000.00	
		4,140.00
Drugs and Medical Supplies	2,500.00	
Hardware and Electric Equipment	500.00	
Premium on Bonds	45.00	
Rent of Detention, Harbor and Emergency Hospitals	9,600.00	
Stationery, Printing and Postage	3,200.00	
Incidentals	1,500.00	
		21,485.00

Total $146,225.00

CONSERVATION OF HEALTH—Continued

Tubercular Hospital.

Resident Physician	1,800.00	
Internes—2 at $300 each, 1 at $480	1,080.00	
Gateman	720.00	
Graduate Nurses—2 at $900 each	1,800.00	
Practical Nurses—6 at $360 each	2,160.00	
Superintendent of Nurses	1,080.00	
Yardmen—4 at $192 each	768.00	
Waiters—1 at $672, 5 at $144 each	1,392.00	
Cooks—1 at $1,200, 1 at $1,080	2,280.00	
Cooks' Helpers—2 at $216 each	432.00	
Relief Cook	324.00	
Pupil Nurses—10 at $144 each	1,440.00	
Orderlies—7 at $240 each	1,680.00	
Orderlies—6 at $180 each	1,080.00	
Pantrymen—3 at $216 each	648.00	
Wardmen—9 at $120 each	1,080.00	
Morgue Tender	240.00	
Additional Help	1,906.00	
		21,910.00

Maintenance.

Boiler Repairs	200.00	
Crockery and Tableware	400.00	
Drugs and Medical Supplies	3,500.00	
Drygoods and Clothing	3,500.00	
Furniture	1,500.00	
Groceries and Provisions	28,000.00	
Fuel and Oil	1,500.00	
Gas	440.00	
Ice	560.00	
Laundry	3,300.00	
Removal of Garbage	350.00	
Rents	550.00	
General Repairs	3,000.00	
		46,800.00

Total $68,710.00

Isolation Hospital.

Medical Superintendent	2,400.00
Internes—2 at $150 each	300.00
Steward	1,200.00
Attendant to Lepers	1,080.00

CONSERVATION OF HEALTH—Continued

Isolation Hospital—Continued

Graduate Nurses—6 at $900 each	5,400.00	
Cooks—2 at $1,080.00	2,160.00	
Pupil Nurses—10 at $144 each	1,440.00	
Night Watchman	720.00	
Day Watchman	960.00	
Gardener	960.00	
Wardmen—5 at $420 each	2,100.00	
Ambulance Driver	960.00	
Laundry Women—2 at $420 each	840.00	
Inmate Labor	1,200.00	
		21,720.00

Maintenance.

Auto Supplies	400.00	
Cleaning Supplies	200.00	
Christmas Gifts for Lepers	250.00	
Drugs and Medical Supplies	3,500.00	
Drygoods and Clothing	1,800.00	
Groceries and Provisions	11,000.00	
Garbage Removal	100.00	
Incidentals	500.00	
Ice	350.00	
Rubber Goods	200.00	
Sundry Repairs and Fire Escape	1,700.00	
		20,000.00

Total $41,720.00

Special Sanitation.

To be expended by the Board of Health and the U. S. Hospital Service under direction of Board of Supervisors	10,000.00	
		10,000.00

Cleaning and Repairing Sewers.

Superintendent	3,000.00
Assistant Superintendent	1,800.00
Bricklayers and Hodcarriers	19,250.00
Cribbers—19 at $3.50 per day each	17,000.00
Sewer Cleaners—15 at $5 per day each	20,625.00
Laborers (Windlassmen)—6 at $3 per day each	4,950.00

CONSERVATION OF HEALTH—Continued

Cleaning and Repairing Sewers—Continued

Laborers (Cesspools)—8 at $3 per day each	6,600.00	
Hydrantmen—3 at $3.50 per day each	3,000.00	
Foremen Laborers—6 at $3.50 per day each	6,000.00	
Teams—$5.75 each per day	11,500.00	
Teams—$6.50 each per day	18,500.00	
Watchmen—2 at $1,080 each	2,160.00	
Additional Help	17,000.00	
		131,385.00
Auto Supplies and Repairs	450.00	
Cement	3,000.00	
Brick	2,000.00	
Cordage	450.00	
Castings and Manhole Covers	3,000.00	
Electric Current	500.00	
Hardware	600.00	
Gasoline	200.00	
Lumber	600.00	
Lamps and Repairs	200.00	
Paints, Oils and Grease	250.00	
Rubber Goods	600.00	
Repairs to Tools	650.00	
Sewer Pipe	4,000.00	
Sundry Equipment	4,000.00	
		$20,500.00
Total $151,855.00		
Repairs to Sewers in front of City Property	10,000.00	
		10,000.00
Extension of Main Sewers under contract	40,000.00	
		40,000.00

Cleaning and Sweeping Streets.

Superintendent	3,000.00
Assistant Superintendent	1,800.00
Clerk	1,800.00
Blacksmith	1,500.00
Helper	1,125.00
Painter	1,500.00
Bunkerman—2 at $1,200 each	2,400.00

CONSERVATION OF HEALTH—Continued

Cleaning and Sweeping Streets—Continued

Dump Foremen—3 at $1,080 each	3,240.00	
Night Watchmen—2 at $1,080 each	2,160.00	
General Mechanic	1,200.00	
Foremen—19 at $4 per day	20,900.00	
Foremen—General	1,200.00	
Laborers (Street Sweepers)—180	148,500.00	
Teamsters	120,000.00	
Apparatus Tender	1,080.00	
Additional Help	10,000.00	
		321,405.00

Maintenance.

Brooms and Brushes	3,500.00	
Hardware	3,200.00	
Hose	800.00	
Garbage Cans and Wagons	2,000.00	
Removing Debris	6,000.00	
Rubber Goods	500.00	
Wagon Repairs	2,500.00	
Machinery and Equipment	7,000.00	
Water	5,500.00	
Sundries	1,000.00	
Transportation and Auto Upkeep	1,000.00	
		33,000.00

Total $354,405.00

HIGHWAYS

Office.

Superintendent	3,300.00	
Deputy	3,000.00	
Clerk on Assessments	2,400.00	
Clerk on Complaints	1,800.00	
Sidewalk Inspectors—2 at $2,100 each	4,200.00	
Street Inspectors—1 at $2,100, 2 at $1,800 each	5,700.00	
		20,400.00
Assistant Superintendents — 1 at $2,400, 1 at $1,800	4,200.00	
Superintendent of Stone Pavements	2,100.00	
Chauffeurs—2 at $1,200 each	2,400.00	
Stenographer	1,500.00	
Clerk	1,620.00	
Foremen Asphalt Plant	7,500.00	

HIGHWAYS—Continued

Office—Continued

Asphalt Men	35,000.00	
Carpenter	1,500.00	
Cement Finishers	3,000.00	
Engineers Asphalt Plant	3,300.00	
Engineers Steam Roller—1 at $2,100	2,100.00	
Engineers Steam Roller—6 at $1,650 each	9,900.00	
Engineers—Relief	1,560.00	
Blacksmith and Helper	2,625.00	
Fireman	1,080.00	
Foreman Paver	2,100.00	
Foreman Laborers	7,500.00	
Foreman Granite Cutters	2,040.00	
Granite Cutters	12,000.00	
Laborers	85,000.00	
Pavers	32,000.00	
Rammers	16,500.00	
Teamsters—71 at $6.50 per day	122,000.00	
Watchmen—3 at $1,080	3,240.00	
Quarryman	2,100.00	
Quarrymen—5 at $3 per day	4,125.00	
		367,990.00

Maintenance.

Auto Supplies and Repairs	1,500.00	
Asphalt	8,000.00	
Basalt and Brick	7,500.00	
Curbing	5,000.00	
Cement, Lime and Dust	12,000.00	
Electric Power and Supplies	1,400.00	
Explosives	600.00	
Fuels and Oils	9,000.00	
Grouting and Resurfacing	25,000.00	
Hardware, Iron and Steel	10,000.00	
Hose and Rubber Goods	1,000.00	
Lumber	2,000.00	
Machinery and Repairs	10,000.00	
Rock, Sand and Gravel	18,000.00	
Water for Troughs	3,000.00	
Sundries	3,000.00	
		117,000.00

Bridges.

Engineers—7 at $1,560 each	10,920.00	
Watchmen—8 at $1,080 each	8,640.00	

HIGHWAYS—Continued

Bridges—Continued

Relief Engineer	1,560.00	
Relief Watchmen—2 at $1,080	2,160.00	
Maintenance	2,000.00	
Repairs	3,000.00	
		28,280.00
Work in front of City Property	30,000.00	
		30,000.00

Bureau of Engineering.

City Engineer	15,000.00	
Chief Assistant	3,900.00	
Assistants—1 at $3,600, 1 at $2,700	6,300.00	
Assistants—2 at $2,100 each, 3 at $1,800 each	9,600.00	
Assistants—2 at $1,620 each, 3 at $1,500 each	7,740.00	
Engineering Draftsman	2,100.00	
Engineering Draftsman	1,920.00	
Engineering Draftsmen—2 at $1,800 each	3,600.00	
Engineering Draftsmen—3 at $1,620 each	4,860.00	
Engineering Draftsmen—4 at $1,500 each	6,000.00	
Cartographer	1,800.00	
Surveyors—1 at $2,100, 7 at $1,800 each	14,700.00	
Field Assistant	2,100.00	
Field Assistants—5 at $1,320 each	6,600.00	
Field Assistants—17 at $1,200 each	20,400.00	
Field Assistants—6 at $1,500 each	9,000.00	
Chemist	2,100.00	
Assistant Chemist	1,500.00	
Photographer and Assistant	3,300.00	
Inspectors of Sewers and Streets under Contract	21,200.00	
Watchmen at Pipe Yard—2 at $1,080 each	2,160.00	
Stenographers—2 at $1,500 each	3,000.00	
Stenographers—1 at $1,320	1,320.00	
		150,200.00

HIGHWAYS—Continued

Bureau of Engineering—Continued		
Supplies and Equipment—Engineer.		
Apparatus (New)	1,000.00	
Blueprints	700.00	
Chemicals	250.00	
Instruments and Repairs	750.00	
Photo Material	800.00	
Metal Furniture	500.00	
Printing and Stationery	500.00	
Sundries	500.00	
		5,000.00
Extension of Municipal Water Works and Maintenance	10.000.00	
		10,000.00
Street Lighting.		
Lighting Streets—Gas and Electricity	394,000.00	
Electroliers	24,000.00	
Stockton Street Tunnel	2,500.00	
Van Ness Avenue	13,000.00	
Fourth Street	2,500.00	
All Night Electric—	3,500.00	
One-Half Night Electric	3,000.00	
Additional Lighting during Year	12,000.00	
		454,500.00

CHARITIES AND CORRECTIONS

San Francisco Hospital.	
Superintendent	3,600.00
Secretary	1,800.00
Stenographer	900.00
Ambulance Driver	1,200.00
Watchmen—1 at $900, 1 at $780	1,680.00
Telephone Operators—2 at $900 each	1,800.00
Telephone Operator	600.00
Receiving Clerk	1,200.00
Teamster	960.00
Elevator Operators—3 at $720 each	2,160.00
Resident Physician	1,800.00
House Physicians—5 at $300 each	1,500.00
Internes—20 at $120	2,400.00
Anesthetist	900.00
Surgical Dresser	1,200.00

CHARITIES AND CORRECTIONS—Continued

San Francisco Hospital—Continued

Druggist	1,500.00
Assistant Druggist	900.00
Porter for Druggist	300.00
Commissary-Clerk	1,800.00
Storekeeper	960.00
Assistants to Storekeeper—2 at $300	600.00
X-Ray Operator	600.00
X-Ray Attendant	360.00
Superintendent of Nurses	1,200.00
Assistant	1,080.00
Operating Room Nurse	1,080.00
Attendant	720.00
Dietician	900.00
Nurse in charge of Nurses' Home	720.00
Graduate Nurses—6 at $720 each	4,320.00
Night Nurse	840.00
Post-Graduate Nurses—10 at $480 each	4,800.00
Pupil Nurses, number required at $144 each	18,000.00
Steward	1,200.00
Orderlies—6 at $300	1,800.00
Seamstress and Helper	900.00
Housekeeper	480.00
Chambermaids—7 at $300 each	2,100.00
Nurse Supervisors, Night—4 at $720 each	2,880.00
Lockermen—2 at $480	960.00
Utility Men—6 at $300 each	1,800.00
Fumigator and Disinfector	300.00
Morgue Man	300.00
Gardener	960.00
Chief Cook	1,200.00
Cook	1,200.00
Cook	1,080.00
Cook's Helper	480.00
Relief Cooks	1,080.00
Head Waiter	780.00
Waiters—4 at $672 each	2,690.00
Waitresses—4 at $480 each	1,920.00
Head Laundryman	1,200.00
Laundrymen—2 at $480 each	960.00

CHARITIES AND CORRECTIONS—Continued

San Francisco Hospital—Continued		
Ironers—12 at $300 each	3,600.00	
Linenmen—2 at $300 each	600.00	
Chief Engineer	2,100.00	
Assistants—3 at $1,500 each	4,500.00	
Firemen—3 at $1,200 each	3,600.00	
Electrician	1,500.00	
Plumber	1,800.00	
Relief Engineers—1 at $720, 1 at $600	1,320.00	
Mechanics	3,600.00	
Yardmen—4 at $300 each	1,200.00	
Institutional Help	9,000.00	
		123,470.00
Maintenance.		
Auto Supplies and Repairs	1,000.00	
Drugs and Medical Supplies	13,000.00	
Drygoods, Clothing and Bedding	13,000.00	
Electric Supplies	1,000.00	
Fuel and Oil	10,000.00	
Groceries and Provisions	72,000.00	
Hardware and Table Supplies	1,500.00	
Instruments and Repairs	2,500.00	
Laundry Supplies	2,000.00	
Lavatory	500.00	
Plants and Seeds	300.00	
Sundry Repairs	4,000.00	
Furniture	3,500.00	
Printing and Stationery	700.00	
		125,000.00
Juvenile Detention Home.		
Superintendent	1,500.00	
Assistant Superintendent	1,020.00	
Night Assistant	1,020.00	
Matron	1,200.00	
Night Matron	600.00	
Nurses—3 at $600 each	1,800.00	
Clinic Nurse	720.00	
Cook	600.00	
Dental Operator	240.00	
		8,700.00
Maintenance.		
Groceries and Provisions	4,500.00	
Laundry	700.00	

CHARITIES AND CORRECTIONS—Continued

Juvenile Detention Home—Continued

Kitchen Furniture and Heater	600.00	
Clothing and Bedding	250.00	
Drugs and Medical Supplies	500.00	
Rent	3,300.00	
Stationery and Printing	100.00	
Water	500.00	
		10,450.00

Total $19,150.00

Juvenile Court.

Chief Probation Officer	2,700.00	
1st Assistant Probation Officer	2,100.00	
2nd Assistant Probation Officer	2,100.00	
Assistants—8 at $1,500 each	12,000.00	
Deputy Probation Officer	1,200.00	
Deputy Probation Officer—2 at $1,080 each	2,160.00	
Deputy Probation Officer—2 at $900 each	1,800.00	
Clerk-Stenographer	1,500.00	
Stenographer	1,200.00	
Stenographer	1,080.00	
Stenographer	780.00	
Collector	1,500.00	
Filing Clerk	600.00	
Bookkeeper	1,080.00	
Legal Advisor	1,200.00	
Maintenance through order of Court	2,500.00	
		35,500.00

Widows' Pension Bureau.

Director	1,800.00	
Assistant Director	1,200.00	
Social Service Nurse	1,200.00	
Stenographer	1,080.00	
Expense	700.00	
		5,980.00
Maintenance for Widows Pensioned	130,000.00	
Maintenance of Minors Magdalen Asylum	3,000.00	
Maintenance Feeble-minded Children at Glen Ellen	30,000.00	

CHARITIES AND CORRECTIONS—Continued

Widows' Pension Bureau—Continued

Maintenance of State Schools—Whittier and Preston	7,000.00	
Maintenance of Minors in other Institutions	187,000.00	
		357,000.00
Maintenance of Criminal Insane	2,500.00	
		2,500.00

Relief Home.

Superintendent	3,600.00
Clerk	1,620.00
Stenographer	1,080.00
Physicians—2 at $1,620 each	3,240.00
Head Nurse	900.00
Nurse	840.00
Night Nurse	780.00
Nurses—4 at $720 each	2,880.00
Steward	1,380.00
Steward	1,320.00
Steward	960.00
Steward	900.00
Steward	840.00
Steward	720.00
Matron, Head	1,080.00
Matrons—2 at $780 each	1,560.00
Ambulance Driver	960.00
Warehouseman	1,200.00
Plumber	1,800.00
Foreman	960.00
Watchmen—2 at $780 each	1,560.00
Autotruck Driver	960.00
Engineer	1,680.00
Assistant	1,380.00
Butcher	1,200.00
Gardener	1,080.00
Farmers—2 at $960 each	1,920.00
Cooks—7	6,720.00
Laundrymen	1,080.00
Laundress	540.00
Pantryman	720.00
Orderly	480.00
Seamstresses—2 at $600 each	1,200.00

CHARITIES AND CORRECTIONS—Continued

Relief Home—Continued		
Milkers—1 at $600, 1 at $480	1,080.00	
Inmate Labor and Mechanics as required	15,000.00	
		65,220.00
Expense and Maintenance.		
Auto Supplies and Repairs	900.00	
Drygoods and Clothing	9,000.00	
Drugs and Medical Supplies	3,200.00	
Fuel and Oils	12,000.00	
Forage	11,000.00	
Groceries and Provisions	104,000.00	
Hardware and Electric Supplies	1,500.00	
Janitorial Supplies	2,000.00	
Laundry Supplies	500.00	
Liquor and Tobacco	7,500.00	
Sundries	600.00	
Water	1,800.00	
		154,000.00
Additional for Maintaining New Quarters and Equipment	20,000.00	
		20,000.00
Total $239,200.00		
Interment of Ex-Union Soldiers and Sailors	3,500.00	
		3,500.00
Burial of Indigent Dead	4,500.00	
		4,500.00
Celebrations.		
Observance of Fourth of July	2,500.00	
Observance of Memorial Day	500.00	
		3,000.00

EDUCATION

Public Library.	
Librarian	3,000.00
Secretary	3,000.00
Assistant Secretary	1,200.00
Branch Superintendent	1,200.00
Stenographer	1,080.00
Branch Librarians	7,500.00
Assistants	23,000.00

EDUCATION—Continued

Public Library—Continued		
Keepers, Branch Libraries	210.00	
Pages	1,600.00	
Cataloguers	4,280.00	
Book Repairers	900.00	
Special Messenger	1,080.00	
Messenger	900.00	
Curators	7,200.00	
		56,150.00
Books	19,000.00	
Binding	6,000.00	
Catalogue Cards	1,000.00	
Fuel	600.00	
Carfare and Incidentals	1,200.00	
Furniture and Metal Cases	5,000.00	
Janitors' Supplies	3,000.00	
Printing and Stationery	3,000.00	
Rents	3,000.00	
Repairs to Autos and Supplies	700.00	
Sundry Repairs	500.00	
Water	1,000.00	
		44,000.00
For maintenance of Branch Library, Golden Gate Valley	6,000.00	
		6,000.00
Common School Fund.		
Commissioners	12,000.00	
Superintendent	4,000.00	
Deputies—5 at $3,000 each	15,000.00	
Secretary	1,800.00	
Financial Secretary	2,280.00	
Assistants—2 at $1,020 each	2,040.00	
Stenographers—3 at $1,200 each	3,600.00	
Telephone Operator	1,020.00	
Messengers—2 at $1,200 each	2,400.00	
Storekeeper	1,800.00	
Assistant	1,080.00	
Superintendent of Buildings	2,100.00	
Inspector of Gas and Water Supply	1,500.00	
Bookkeeper Supply Department	1,680.00	
Clerk	1,800.00	
Chauffeur	1,500.00	
Rent of Premises	1,800.00	
		57,400.00

EDUCATION—Continued

PRIMARY AND GRAMMAR

Teachers' Compensation, Primary and Grammar	1,349,000.00	
Teachers' Compensation, Special Studies (at large)	100,000.00	
Teachers' Compensation, increase through automatic operation	8,000.00	
Teachers' Compensation, outside experience	7,200.00	
Teachers' Compensation, additional teachers	72,000.00	
Janitor Service	94,400.00	
Janitor Service, extra for additional rooms	5,000.00	
Wages for Mechanics and Labor	16,065.00	
Scavenger Service	4,500.00	
		1,656,165.00
Maintenance and Equipment.		
Auto Supplies and Repairs	500.00	
Books	8,400.00	
Cartage	1,500.00	
Clocks	500.00	
Drygoods and Millinery	1,100.00	
Flags	250.00	
Furniture	18,000.00	
Fuel	14,000.00	
Insurance	600.00	
Gas and Electricity	8,000.00	
Livery	480.00	
Material for Urgent Repairs	4,000.00	
Janitorial Supplies	8,500.00	
Pianos, Rent and Repairs	2,000.00	
Printing and Stationery	24,000.00	
Water	12,000.00	
		103,830.00

HIGH SCHOOLS

Teachers' Compensation	290,000.00	
Teachers' Compensation, Increase Through Automatic Operation	4,400.00	
Teachers' Compensation, Additional Teachers	14,000.00	
Janitors' Salaries	23,625.00	
Janitors' Salaries, extra additional rooms	2,000.00	
		334,425.00

EDUCATION—Continued

Maintenance.		
Books	600.00	
Cartage	100.00	
Clocks and Repairs	50.00	
Flags	50.00	
Furniture, Maps, Globes, etc.	2,000.00	
Fuel	2,500.00	
Light and Power	4,000.00	
Printing and Stationery	2,000.00	
Water	1,000.00	
Laboratory Supplies	10,000.00	
Wages	935.00	
Scavenger Services	300.00	
		23,535.00
Kindergarten, Salaries and Maintenance	10,000.00	
		10,000.00
Teachers' Institute	500.00	
		500.00
Athletic Dept. and Social Center, etc.	16,000.00	
		16,000.00
Polytechnic High School Special Equipment	13,000.00	
		13,000.00
General Repairs to Schools by Board of Public Works.		
Cement Finishers	7,000.00	
Carpenters and Helpers	20,000.00	
Clerk	1,500.00	
Cribbers	800.00	
Draftsman and Designer	500.00	
Engineers	300.00	
Painters and Varnishers	18,000.00	
Plumbers and Helpers	13,000.00	
Glazier	2,000.00	
Locksmith	1,800.00	
Steamfitter	2,000.00	
Laborers	2,400.00	
Tinners and Helpers	9,000.00	
Teamsters	3,000.00	
Wiremen	700.00	
		82,000.00

EDUCATION—Continued

General Repairs to Schools—Continued

Asphalt Paving	1,750.00	
Cartage	400.00	
Cement	2,500.00	
Concrete work and roofing material	1,000.00	
Chimney pipe and Cleaning	750.00	
Drinking Fountains	400.00	
Electric Supplies and Hardware	4,600.00	
Glass	1,300.00	
Grate Bars	400.00	
Grading and Paving	4,500.00	
Garbage removal and Hauling Debris	400.00	
Iron and Steel Castings	4,000.00	
Lumber and Millwork	16,000.00	
Plastering	500.00	
Plumbing material	4 ,000.00	
Paints and Oils	5,000.00	
Painting Signs and Flagpoles	1,200.00	
Repairs, Miscellaneous	2,400.00	
Rock, Sand and Gravel	2,500.00	
Sewer Pipe	400.00	
		54,000.00

RECREATION

Municipal Concerts	$ 10,000.00	
		10,000.00

Playground Commissioners.

Superintendent	$ 1,000.00	
Secretary	1,800.00	
Assistant	1,200.00	
Directors—10 at $1,200 each	12,000.00	
Directors—7 at $900 each	6,300.00	
Gardeners and Caretakers—7 at $1,080 each	7,560.00	
Gardeners and Caretakers—2 at $960 each	1,920.00	
Substitutes	2,700.00	
Swimming Instructors	1,800.00	
		36,280.00

RECREATION—Continued

Playground Commissioners—Continued

Expense.

Auto Supplies	250.00	
Cartage	100.00	
Athletic Supplies	1,800.00	
Cement and Lime	200.00	
Drygoods	200.00	
Drugs and Medical Supplies	350.00	
Furniture	500.00	
Hardware and Implements	900.00	
Grading, Sand, Gravel and Rock	2,000.00	
Gas and Electricity	750.00	
Incidentals	500.00	
Loam and Clay	300.00	
Material for Repairs and Labor	5,000.00	
Plants and Seeds	200.00	
Sewer Pipe	250.00	
Teaming and Labor	3,400.00	
Water	3,000.00	
Wire	700.00	
Construction and New Equipment	13,320.00	
		33,720.00

Total $70,000.00

Park Fund.

7c on each $100 Valuation	383,600.00	
		383,600.00

Special Improvement Funds—To be expended under direction of Board of Supervisors:

For New Schools and Purchases of Land	300,000.00	
For Acquisition of the Marina	100,000.00	
For Beach Esplanade	50,000.00	
For New Fire Building	30,000.00	
For Noe and Eureka Valleys Playgrounds	25,000.00	
For Point Lobos Playground Building and Equipment	25,000.00	
		530,000.00

RECREATION—Continued

Special Improvement Funds—Continued		
For the Redemption of Bonds sold prior to November 8, 1910	639,800.00	
For the Payment of Interest on Bonds sold prior to November 8, 1910	610,792.00	
		1,250,592.00
For the Redemption of Bonds sold since November 8, 1910	738,000.00	
For the Payment of Interest on Bonds sold since November 8, 1910	1,206,781.00	
		1,944,781.00
Total Expenditures		$15,192,802.00

ESTIMATED REVENUE FROM SOURCES OTHER THAN TAXES.

Auditor	50.00
Sheriff	34,000.00
County Clerk	90,000.00
Recorder	65,000.00
Justices' Clerks	32,000.00
Board of Health	1,200.00
Police Department	1,400.00
Public Pound	2,400.00
Public Works, Engineer's Fees	19,000.00
Dept. of Electricity	12,000.00
Registrar of Voters	2,000.00
Police Court Fines	24,000.00
Licenses, Municipal	1,240,000.00
Building Permits	24,000.00
Fines, Superior Courts	500.00
Sale of Old Material Property	4,500.00
Refund State Aid, Widows' Pensions	67,000.00
Refund State Aid, Orphans	40,000.00
Refund, Juvenile Home	5,000.00
Refund, Hospitals	600.00
Refund, State Lunacy Commission	300.00
Sanitary Reduction Works	17,500.00
Interest on Loans	75,000.00
Care of U. S. Prisoners enroute	2,000.00
Treasurer's Commission on Inheritance Tax	3,000.00
Coroner	100.00
Fire Department	1,800.00
Rent of City Property	20,000.00
Rent of City Auditorium	15,000.00
Percentage Street Railway Franchises	50,000.00
Percentage Telephone Franchises	70,000.00
Rent of Desk Room, Recorder	570.00
Good Roads' Fund	120,000.00
School Apportionment	680,000.00
Rent of School Property	98,000.00
Advertising, Supervisors	11,000.00
Redemption of Property Sold to State	35,000.00
Miscellaneous Refunds	1,500.00
Water Works' Fund	6,000.00
State Aid for Tubercular Patients	15,000.00
State Refund on Bonds of 1908	135,000.00
	$3,021,420.00

The respective funds to redeem and pay the interest on bonds sold prior to November 8, 1910:

	Interest	Redemption	Total	Rate
Street, 1904, 3½%	$ 12,005.00	$ 40,500.00		
School, 1904, 3½%		89,800.00		
Jail, 1904, 3½%	2,436.00	17,400.00		
Library, 1904, 3%	8,631.00	41,100.00		
Playground, 1904, 3½%	18,130.00	18,500.00		
Park Extension, 1904, 3½%	8,036.00	8,200.00		
Mission Park, 1904, 3½%	7,154.00	7,300.00		
Fire Protection, 1908, 5%	204,750.00	105,000.00		
Schools, 1908, 5%	127,600.00	116,000.00		
Sewer, 1908, 5%	123,500.00	65,000.00		
Hospital, 1908, 5%	44,800.00	56,000.00		
Hall of Justice, 1908, 5%	24,750.00	33,000.00		
Garbage, 1908, 5%	29,000.00	42,000.00		
	$ 610,792.00	$639,800.00		
Total State and City and County			$1,250,592.00	.2050

Bond Funds to redeem and pay the interest on bonds sold since November 8, 1910:

Street, 1904, 3½%	$ 5,005.00			
School, 1904, 3½%	18,858.00			
Library, 1904, 3%	18,931.00			
Fire Protection, 1908, 5%	48,750.00	25,000.00		
Schools, 1908, 5%	92,400.00	84,000.00		
Sewer, 1908, 5%	66,500.00	35,000.00		
Hospital, 1908, 5%	35,200.00	44,000.00		
Hall of Justice, 1908, 5%	12,750.00	17,000.00		
Garbage, 1908, 5%		8,000.00		
Polytechnic High, 1910, 4½%	23,062.00	25,000.00		
City Hall, 1912, 5%	440,000.00	200,000.00		
Exposition, 1912, 5%	230,000.00	200,000.00		
Hospital and Jails, 1913, 4½%	42,000.00	100,000.00		
Hetch Hetchy, 1910, 4½%	173,325.00			
	$1,206,781.00	$738,000.00	$1,944,781.00	.3547
Total			$3,195,373.00	.5597

ABSTRACT.

Estimated Expenditures and Revenue 1916-17.

GENERAL GOVERNMENT.

Legislative Department.		
Supervisors	$ 93,120.00	
Expense of Maintenance	148,995.00	
		$ 242,115.00
Miscellaneous Expenditures.		
Municipal Reports	3,600.00	
License Blanks and Tags	3,000.00	
Law and Motion Calendar	5,000.00	
Block Books and Posting for Several Departments	3,500.00	
Rebinding Books	500.00	
Furniture and Equipping City Hall, etc.	30,000.00	
		45,600.00
Executive Department.		
Mayor, Salaries	17,520.00	
Mayor, Maintenance	6,303.00	
		23,823.00
Assessments.		
Assessor, Salaries	96,600.00	
Assessor, Maintenance	7,750.00	
		104,350.00
Financial.		
Auditor, Salaries	32,320.00	
Assessment Roll and Experting	8,500.00	
Expense for Maintenance	1,575.00	
		42,395.00
Treasurer.		
Salaries	28,300.00	
Expense	2,400.00	
		30,700.00
License and Tax		
Tax Collector, Salaries	67,900.00	
Tax Collector, Expense	7,000.00	
		74,900.00
Efficiency.		
Civil Service, Salaries	21,100.00	
Civil Service, Expense	2,350.00	
		23,450.00

GENERAL GOVERNMENT—Continued

Elections.		
Salaries, Office and District	183,700.00	
Expense	63,350.00	
		247,050.00
Board of Censors	600.00	
		600.00
Coroner.		
Salaries	24,220.00	
Expense	2,900.00	
		27,120.00
Department of Public Works.		
Administrative.		
Commissioners	12,000.00	
		12,000.00
General Office, Salaries	20,100.00	
Bookkeeping	25,860.00	
Maintenance and Repairs, Salaries, Div. B	12,120.00	
Storekeeping, Salaries	8,820.00	
Public Building, Salaries	133,987.00	
General Maintenance	56,650.00	
		257,537.00
Lighting Public Buildings	63,600.00	
		63,600.00
Water, Public Buildings	34,000.00	
		34,000.00
Bureau of Architects	12,480.00	
		12,480.00
Legal Department.		
City Attorney.		
Salaries	36,200.00	
Expense	9,025.00	
		45,225.00
District Attorney.		
Salaries	58,700.00	
Expense	6,875.00	
		65,575.00
County Clerk.		
Salaries	107,800.00	
Expense	5,800.00	
		113,600.00

GENERAL GOVERNMENT—Continued

Justices' Court.

Salaries	33,600.00	
Expense	1,100.00	
		34,700.00

Law Library.

Salaries	4,800.00	
Expense	150.00	
		4,950.00

Police Courts.

Salaries	24,000.00	
Expense	120.00	
		24,120.00

Superior Courts.

Salaries	51,960.00	
Expense	1,700.00	
Reporters' Fees	20,000.00	
Interpreters	9,600.00	
Court Orders	4,000.00	
Jury Fees and Witness Expense	28,000.00	
Jury Expense	1,500.00	
Grand Jury Expense	2,500.00	
Examination of Insane	10,500.00	
		129,760.00

Sheriff.

Salaries	104,600.00	
Maintenance and Subsistence	48,910.00	
Jail Repairs	9,000.00	
		162,510.00

Total General Government $1,822,160.00

PROTECTION TO PERSON AND PROPERTY.

Bureau of Building Inspection.

Salaries	30,900.00	
		30,900.00

Department of Electricity.

Salaries	75,246.00	
Maintenance	42,000.00	
		117,246.00

Emergency Hospitals.

Salaries	75,252.00	
Maintenance	15,725.00	
		90,977.00

PROTECTION TO PERSON AND PROPERTY—Continued

Police Department.		
Salaries	1,509,268.00	
Contingent Expense	10,000.00	
General Expense	48,988.00	
Building Repairs	6,500.00	
		1,574,756.00
Fire Department.		
Salaries	1,280,580.00	
Corporation Yard, Salaries	66,485.00	
Stables	20,120.00	
Auxiliary Distributing System	44,065.00	
Maintenance and Apparatus	205,000.00	
Construction and Repairs	10,000.00	
		1,626,250.00
Water for Fire Boats	600.00	
Water for Hydrants	135,000.00	
Water for High Pressure System	9,150.00	
		144,750.00
Exempt Firemen's Allowance	5,000.00	
		5,000.00
Firemen's Relief and Pension Fund	110,000.00	
		110,000.00
Accident Insurance, City Employees	6,000.00	
		6,000.00
Recorder.		
Salaries	66,400.00	
Expense	4,200.00	
		70,600.00
Sealer of Weights and Measures.		
Salaries	9,600.00	
Expense	1,000.00	
		10,600.00
Public Pound	12,000.00	
		12,000.00
Public Administrator	450.00	
		450.00
Total Protection to Person and Property		$3,799,529.00

CONSERVATION OF HEALTH.

Health Department—General Office.		
Administration, Salaries	27,120.00	
Inspection, Salaries	86,100.00	
Laboratory, Salaries	11,520.00	
Maintenance	21,485.00	
		146,225.00

CONSERVATION OF HEALTH—Continued

Tubercular Hospital.		
Salaries	21,910.00	
Maintenance	46,800.00	
		68,710.00
Isolation Hospital.		
Salaries	21,720.00	
Maintenance	20,000.00	
		41,720.00
Sanitation	10,000.00	
		10,000.00
Cleaning and Repairs to Sewers.		
Salaries	131,385.00	
Material, etc.	20,500.00	
Front of City Property	10,000.00	
Extension of Main Sewers	40,000.00	
		201,885.00
Cleaning and Sweeping Streets.		
Salaries	321,405.00	
Maintenance	33,000.00	
		354,405.00

Total Conservation of Health $822,945.00

HIGHWAYS.

Repairs and Paving Streets, Salaries and Wages	388,390.00	
Maintenance	117,000.00	
Front of City Property	30,000.00	
		535,390.00
Bridges.		
Salaries	23,280.00	
Maintenance and Repairs	5,000.00	
		28,280.00
Bureau of Engineers.		
Salaries	150,200.00	
Maintenance	5,000.00	
		155,200.00
Lighting Streets.		
Gas and Electricity	454,500.00	
		454,500.00
Extension Municipal Water Works	10,000.00	
		10,000.00

Total Highways $1,183,370.00

CHARITIES AND CORRECTIONS.

San Francisco Hospital.		
Salaries	123,470.00	
Maintenance	125,000.00	
		248,470.00
Juvenile Detention Home.		
Salaries	8,700.00	
Maintenance	10,450.00	
		19,150.00
Juvenile Court.		
Salaries	33,000.00	
Maintenance	2,500.00	
		35,500.00
Widows' Pension Bureau.		
Salaries	5,280.00	
Expense	700.00	
		5,980.00
Maintenance for Widows, Pensions	130,000.00	
Maintenance Minors, Magdalen Asylum	3,000.00	
Maintenance Feeble-minded Children	30,000.00	
State Schools	7,000.00	
Maintenance Minors, Non-Sectarian Institutions	187,000.00	
		357,000.00
Criminal Insane	2,500.00	
		2,500.00
Relief Home.		
Salaries	65,220.00	
Maintenance	174,000.00	
		239,220.00
Interment of U. S. Soldiers and Sailors	3,500.00	
		3,500.00
Burial of Indigent Dead	4,500.00	
		4,500.00

Total Charities and Corrections $915,820.00

CELEBRATIONS.

4th of July	2,500.00	
Memorial Day	500.00	
		3,000.00

EDUCATION.

Public Library.		
Salaries	56,150.00	
Maintenance	44,000.00	
		100,150.00
Library Golden Gate Valley	6,000.00	
		6,000.00
Common School Fund, Administration.		
Salaries	57,400.00	
Primary and Grammar.		
Salaries and Wages	1,656,165.00	
Maintenance	103,830.00	
High Schools.		
Salaries	334,425.00	
Maintenance	23,535.00	
Kindergarten	10,000.00	
Teachers' Institute	500.00	
Athletics and Social Center	16,000.00	
Polytechnic High School, Special Equipment	13,000.00	
General Repairs	136,000.00	
		2,350,855.00
Total Education $2,457,005.00		

RECREATION.

Municipal Concerts	10,000.00	
		10,000.00
Playgrounds.		
Salaries	36,280.00	
Maintenance	33,720.00	
		70,000.00
Park Fund, 7c on each $100 Valuation	383,600.00	
		383,600.00
Bond Interest and Redemption Account.		
For the redemption and the payment of interest on bonds sold prior to November 8, 1910	1,250,592.00	
For the redemption and the payment of interest on bonds sold since November 8, 1910	1,944,781.00	
		3,195,373.00
For New Improvements and Betterments	530,000.00	
		530,000.00
Total Abstract		$15,192,802.00

ESTIMATED REVENUE AND EXPENDITURES FOR THE PREPARATION OF THE TAX LEVY FOR THE FISCAL YEAR 1916-17.

FUNDS	Expenditures	Receipts From Taxes	Receipts From Other Sources
Rate based on a Valuation of $548,000,000			
General Fund—$1.00 limit of taxation	$ 7,148,249.00	$ 5,069,829.00	$2,078,420.00
Firemen's Relief and Pension Fund	110,000.00	110,000.00	
Funds and Accounts Exempted from Dollar Limit of Taxation.			
For the redemption of bonds sold since November 8, 1910, City and County	738,000.00	738,000.00	
For the payment of interest accounts since November 8, 1910, City and County	1,206,781.00	1,206,781.00	
Based on a Total Valuation of $610,000,000			
For the redemption of bonds sold prior to November 8, 1910, State	639,800.00	639,800.00	
For the payment of interest accounts since November 8, 1910, State	610,792.00	610,792.00	
Rate based on a Valuation of $548,000,000			
Park Funds—7c on each $100 assessed valuation	383,600.00	383,600.00	
School Fund	2,350.000.00	1,572,000.00	778,000.00
Library Fund	106,150.00	106,150.00	
Elections	247,050.00	245,050.00	2,000.00
Cleaning, Repairs to Streets, Sewers; Construction	1,291,680.00	1,152,680.00	139,000.00
Construction and Repairs to Buildings	360,700.00	336,700.00	24,000.00
	$15,192,802.00	$12,171,382.00	$3,021,420.00

BUDGET FOR MUNICIPAL EXPENDITURES CITY AND COUNTY OF SAN FRANCISCO, CALIFORNIA

FOR FISCAL YEAR 1915-1916

Bill No. 3611, Ordinance No. 3295 (New Series):

An ordinance fixing and appropriating the aggregate sum and the items thereof allowed to each department, office, board and commission for the fiscal year ending June 30, 1916, and making a budget of the same.

Be it ordained by the People of the City and County of San Francisco as follows:

Section I. The aggregate sums and the items thereof herinafter set forth are hereby fixed, designated and appropriated for the respective purposes set opposite the same, to be expended during the fiscal year ending June 30, 1916, in accordance with the provisions of Article III, Chapter I of the Charter of the City and County, to-wit:

GENERAL FUND.

BOARD OF SUPERVISORS.

Budget Item No.		
1	18 Supervisors at $2,400 each	$ 43,200
2	Clerk	4,200
3	Chief Assistant Clerk	3,000
4	Expert to Board	3,600
5	Bond and Ordinance Clerk	3,000
6	Superintendent of Supplies	3,000
7	3 Assistant Clerks at $2,100 each	6,300
8	Assistant Clerk, Stationery Department	2,100
9	2 Assistant Clerks at $1,800 each	3,600
10	Stenographer, Finance Committee	2,100
11	3 Assistant Clerks at $1,500 each	4,500
12	2 Stenographers at $1,200 each	2,400
13	Telephone Operator and Filing Clerk	1,200
14	Telephone Operator, Superior Courts	1,200
15	Sergeant at Arms	1,440
16	Chauffeur	1,500
17	Light and Water Inspector	2,100
18	Assistant Light and Water Inspector	1,680
19	For Horticultural Inspection as Required by State Law	1,500
20	Finance Committee Expenses	5,000
21	Supplies Committee Expenses	1,200
22	Printing Public Documents	15,700
23	Municipal Reports	3,500

BOARD OF SUPERVISORS—Continued

Budget Item No.		
24	Law and Motion Calendar	4,800
25	Advertising	31,500
26	Interment U. S. Soldiers and Sailors	3,500
27	Maintenance, Public Pound	12,000
28	License Tags	2,000
29	Stationery, Books and Printing and Purchase and Repair of Typewriters	49,000
30	Stationery, for the Assessor	5,500
31	Block Books	3,500
32	Rebinding Books	500
33	Furniture, Public Buildings	5,000
34	Celebration 4th of July	2,500
35	Observance of Memorial Day	500
36	Grand Jury Expenses	1,500
37	Premium on Official Bonds	5,000
38	Urgent Necessities	90,000
39	Rents, Repairs, Equipment and Maintenance of Public Buildings and Moving	60,000
40	Water for Municipal Purposes, Hydrants	132,000
41	Water for Buildings	25,000
42	Maintenance of Minors	170,000
43	Maintenance Widows' Pension Bureau	125,000
44	Maintenance of Magdalen Asylum	3,000
45	Maintenance, State Schools—Preston and Whittier	7,000
46	Maintenance, Feeble-Minded	29,000
47	Maintenance, Criminal Insane	3,000
48	For Ordinary Lighting of Streets and Public Biuldings	485,000
49	Examination of Insane Persons	10,000
50	Gasoline for City Automobiles	3,500
		$1,386,320

SPECIAL FUNDS.

For Improvement of Highways and Streets and Other Urgent Betterments. To be Expended in such Manner and in such Amounts as Directed by the Board of Supervisors.

51	For Paving, Repaving, Grading, Construction and Repairs to Streets	$ 351,000
52	For Reconstruction and Repair of the following streets streets and avenues: Battery, Bay, Spear, Railroad Ave, Pine, Arguello Boulevard, Jackson, Turk, Minna, Tehama, Paris, Rausch, Sansome, Pacific,	

BOARD OF SUPERVISORS—Continued

Budget Item No.		
	Twenty-third Street, Fifth Street, Howard, Third Street, Civic Center Streets, Taylor Street between Sacramento and Clay, First Street, Howard to Folsom, and such other streets as determined by the Board of Supervisors, and for furnishing and finishing the City Hall	300,000
53	For Work in Front of City Property, Repairs to Streets and Buildings and Miscellaneous Improvements	80,000
54	Extension Municipal Water Works	5,000
		$736.000
55	Sewers—Repairs, Maintenance and Reconstruction	$ 136,800
56	Extension of Main Sewers, Under Contract	100,000
		$236,800
57	Buildings—For Repairs and Reconstruction of Fire Department, Municipal and Police Buildings	$34,800
58	School Buildings—For the Construction, Reconstruction, Fire Escapes, Repairs to and Equipment of School Buildings and Portables	111,400
60	Redding School—New Building	89,000
61	Daniel Webster School—New Building and Purchase of Adjoining Land	120,000
		$320,400
62	Fire Department Buildings—Two new buildings, Howard Street and Mint Avenue	$ 90,000
		$90,000
62	For the Expense, Maintenance and Cleaning and Sprinkling Streets	$ 350,400
64	For Purchase of Equipment for Street Cleaning	6,000
		$356,400
65	Accident Insurance—City Employees	$ 10,000
		$10,000
66	For Equipment Juvenile Detention Home	$ 15,000
		$15,000
67	Esplanade at Ocean Beach	$ 50,000

BOARD OF SUPERVISORS—Continued

Budget Item No.		
68	Improvement, Cumberland Street, Sanchez to Noe Streets, and Sanchez Street, between Nineteenth and Twentieth Streets	12,000
69	City and County Good Road Fund	10,000
70	Hayes Street, City's Portion	24,000
71	Furnishings, City Hall	75,000
72	Additional Land for School Yards for Adams, Fremont and Hancock Schools	46,500
72a	For the Purchase of Land and the Erection of a School Building for either the Monroe School, the Balboa Park District or the District in the Neighborhood of the Bernal School; Upon the Recommendation of the Board of Education	10,700
73	Boiler, Relief Home	12,000
		$240,200

MAYOR.

76	Mayor	$ 6,000
77	Secretary	2,400
78	Assistant Secretary	2,100
79	Stenographer	1,500
80	Stenographer	1,200
81	Stenographer	900
82	Telephone Operator	1,020
83	Usher	900
84	Chauffeur	1,500
85	Contingent Expenses	3,600
86	Incidental Expenses	1,740
		$22,860

AUDITOR

87	Auditor	$ 4,000
88	Deputy Auditor	2,400
89	3 Assistant Deputies at $2,400 each	7,200
90	5 Assistant Deputies at $1,800 each	9,000
91	2 Assistant Deputies at $1,500 each	3,000
92	1 Stenographer Bond Clerk	1,500
93	1 Expert on Minors	1,500
94	2 Clerks at $1,200 each	2,400
95	1 Telephone Operator	1,020
96	Attorney's Fees	1,800

AUDITOR—Continued

Budget Item No.		
97	Extending Assessment Roll and Expert Services	7,000
98	Incidentals	400
		$41,220

ASSESSOR.

99	Assessor	$ 8,000
100	Chief Deputy	2,400
101	Cashier	1,800
102	4 Assistant Chief Deputies at $2,100 each	8,400
103	4 Assistant Deputies at $1,800 each	7,200
104	18 Deputies at $1,500 each	27,000
105	Map Maker	1,800
106	Extra Clerks, Charter	40,000
107	Field Deputy Expenses	2,000
		$98,600

CORONER.

108	Coroner	$ 4,000
109	Chief Deputy	2,400
110	Autopsy Physician	2,400
111	3 Assistant Deputies at $1,500 each	4,500
112	1 Stenographer	1,800
113	Assistant Stenographer and Typewriter	1,500
114	1 Toxicologist	1,200
115	Assistant Deputy and Driver	1,200
116	1 Female Deputy	1,200
117	Night Clerk Matron	1,020
118	Clerk Matron	1,020
119	Morgue Tender	1,080
120	Messenger	900
121	Coroner's Expenses	2,500
		$26,720

RECORDER.

122	Recorder	$ 4,000
123	Chief Deputy	2,400
124	5 Assistants at $1,800 each	9,000
125	9 Clerks at $1,500 each	13,500
126	1 Machinist	1,500
127	Copyists	36,000
		$66,400

TAX COLLECTOR

Budget Item No.		
128	Tax Collector	$ 4,000
129	Chief Deputy	2,400
130	Cashier	2,400
131	13 Deputies at $1,500 each	19,500
132	3 Special Deputies at $1,800 each	5,400
133	1 Special Deputy—License Adjuster (Ordinance 3139 N. S.)	1,800
134	1 Special Deputy—Assistant Bookkeeper (Ordinance 3139 N. S.)	1,800
135	2 Assistant Cashiers at $1,800 each	3,600
136	Expert Searcher	1,800
137	Accountant	2,400
138	4 Temporary Cashiers (2 months), at $150 each per month	1,200
140	1 Block Book Man	1,500
141	Acting Deputies, per Ordinance 821	12,500
142	Stenographer	1,380
143	Extra Clerks	6,220
144	Printing Delinquent Tax List	2,000
145	Incidentals and Transportation	700
		$70,600

TREASURER.

146	Treasurer	$ 4,000
147	Chief Deputy	2,400
148	Bank and Bond Deputy	3,000
149	1 Deputy at	2,400
149a	1 Deputy at	1,800
150	1 Clerk	1,200
151	1 Coupon Clerk	1,800
152	1 Bookkeeper	2,100
153	1 Assistant Bookkeeper	1,800
154	Cashier	3,600
155	2 Clerks at $1,800 each	3,600
		$27,700

SUPERIOR COURTS.

156	16 Judges at $3,000 each	$ 48,000
157	Secretary	3,000
158	Court Stenographers	20,000
158a	Interpreters—5 Superior Court and 3 Police Court	9,600

SUPERIOR COURT—Continued

Budget Item No.		
159	Messenger	960
160	Court Orders	4,000
		$85,560

CITY ATTORNEY.

161	City Attorney	$ 5,000
162	2 Assistants at $3,600 each	7,200
163	4 Assistants at $3,000 each	12,000
164	1 Assistant	2,400
165	1 Assistant	1,800
166	Chief Clerk	1,800
167	1 Assistant Clerk	900
168	2 Stenographers at $1,200 each	2,400
169	2 Stenographer-Typewriters at $900 each	1,800
170	1 Messenger	900
171	For General Litigation	6,000
		$42,200

DISTRICT ATTORNEY.

172	District Attorney	$ 5,000
173	4 Assistants at $3,600 each	14,400
174	2 Assistants at $3,000 each	6,000
175	6 Assistants at $2,400 each	14,400
176	1 Warrant and Bond Clerk	2,400
177	1 Warrant and Bond Clerk	2,100
178	4 Assistant Warrant and Bond Clerks at $1,500 each	6,000
179	Chief Clerk	1,800
180	1 Assistant Clerk	1,200
181	1 Assistant Bookkeeper	1,200
182	1 Stenographer	1,800
183	1 Stenographer	900
184	1 Messenger	1,500
185	For extraordinary expenses of the District Attorney's Office, subject to orders of Court through the Board of Supervisors	6,000
		$64,700

COUNTY CLERK.

186	County Clerk	$ 4,000
187	1 Chief Register Clerk	2,400
188	1 Cashier	1,800

COUNTY CLERK—Continued

Budget Item No.		
189	5 Register Clerks at $1,800 each	9,000
190	10 Assistant Register Clerks at $1,500 each	15,000
191	16 Court Room Clerks at $1,500 each	24,000
192	16 Copyists at $1,200 each	19,200
193	6 Deputies at $1,200 each	7,200
194	15 Copyists at $1,200 each	18,000
195	4 Police Court Clerks at $1,500 each	6,000
196	1 Messenger	1,200
197	Jury and Witness Fees	28,000
198	Jury Expenses	1,500
		$137,300

JUSTICES' COURT.

199	5 Justices at $3,600	$ 18,000
200	1 Clerk	3,000
201	Cashier	1,800
202	Chief Deputy	1,800
203	3 Deputies at $1,500 each	4,500
204	1 Messenger	1,500
		$30,600

LAW LIBRARY.

205	Librarian	$ 3,600
206	Messenger	1,200
		$4,800

JUVENILE DETENTION HOME.

207	Superintendent	$ 1,500
208	1 Assistant Superintendent	1,020
209	1 Night Assistant	1,020
210	1 Matron	1,200
211	1 Night Matron	600
212	3 Nurses at $600 each	1,800
213	1 Clinic Nurse	720
214	1 Cook	600
215	Maintenance	9,200
		$17,660

JUVENILE COURT.

216	Chief Probation Officer	$ 2,700
217	1 Assistant Probation Officer	2,100

JUVENILE COURT—Continued

Budget Item No.		
218	1 Assistant Probation Officer	1,800
219	8 Assistants at $1,500 each	12,000
220	1 Assistant	1,200
221	1 Assistant	1,080
222	1 Clerk-Stenographer	1,500
223	1 Stenographer	1,200
224	1 Stenographer	1,080
225	1 Stenographer	780
226	1 Collector	1,500
227	1 Filing Clerk	600
228	1 Bookkeeper	1,080
229	1 Deputy	1,080
230	2 Deputies at $900 each	1,800
231	Legal Assistance	1,200
232	Expenses	2,500
		$35,200

WIDOWS' PENSIONS.

233	Director	$ 1,800
234	Assistant Director	1,200
235	Social Service Nurse	1,200
236	Stenographer-Bookkeeper	1,080
237	Incidentals	400
		$5,680

SHERIFF.

238	Sheriff	$ 8,000
239	Under Sheriff	2,400
240	Attorney	1,800
241	Chief Bookkeeper	1,800
242	2 Assistant Bookkeepers at $1,500 each	3,000
243	13 Office Deputies at $1,500 each	19,500
244	18 Bailiffs at $1,200 each	21,600
245	1 Chief Jailer	1,800
246	10 Jailers at $1,200 each	12,000
247	1 Superintendent of Jails	1,800
248	16 Guards at $600 each, Jail No. 2	9,600
249	6 Guards at $600 each, Jail No. 3	3,600
250	6 Road Guards at $900 each	5,400
251	1 Matron	900
252	1 Commissary	1,500

SHERIFF—Continued

Budget Item No.		
253	1 Van Driver	900
254	1 Bookkeeper, all of Jails	1,500
255	1 Stenographer	1,200
256	1 Driver	900
257	2 Cooks at $900 each	1,800
258	1 Druggist	1,200
259	Subsistence of Prisoners	45,000
260	Sheriff's Expenses	2,500
		$149,700

POLICE DEPARTMENT.

261	4 Commissioners at $1,200 each	$ 4,800
262	1 Secretary	1,500
263	1 Stenographer	1,800
264	1 Surgeon	1,500
265	1 Chief	4,000
266	1 Clerk	2,400
267	1 Property Clerk	2,400
268	1 Captain of Detectives	3,000
269	9 Captains at $2,400 each	21,600
270	18 Lieutenants at $1,920 each	34,560
271	25 Detective Sergeants at $1,800 each	45,000
272	73 Sergeants at $1,680 each	122,640
273	37 Corporals at $1,560 each	57,720
274	762 Patrolmen at $1,464 each	1,115,568
275	3 Police Protective Women at $1,200 each	3,600
276	26 Patrol Drivers at $1,200 each	31,200
277	4 Telephone Operators at $1,020 each	4,080
278	For Relief and Vacation of Telephone Operators	300
279	4 Matrons at $1,080 each	4,320
280	9 Hostlers at $1,140 each	10,260
281	1 Cook	1,200
282	2 Stenographers at $1,200 each	2,400
283	Confidential Clerk	2,400
284	Contingent Expenses	8,000
285	Maintenance of Police Patrol and Mounted Police	20,000
286	Police Miscellaneous—Photographic Supplies, Laundry, Fuel, etc.	3,000
287	Maintenance of Automobiles and Patrol Wagons	9,000
288	Subsistence of Prisoners	8,000
289	Maintenance and Purchase of Motorcycles	1,000

POLICE DEPARTMENT—Continued

Budget Item No.		
290	One 7-Passenger Automobile for Chief, including allowance for old automobile, not to exceed	2,250
291	1 Patrol Wagon for Harbor District	3,125
292	5 Ford Runabouts at $550 each	2,750
		$1,535,373

POLICE COURTS.

294	4 Judges at $3,600 each	$ 14,400
295	4 Stenographers at $2,400 each	9,600
		$24,000

CIVIL SERVICE COMMISSION.

296	3 Commissioners at $1,200 each	$ 3,600
297	Expenses	12,500
298	Inspection	5,000
		$21,100

PLAYGROUND COMMISSION.

To be expended on the following Playgrounds: North Beach, Southside, Jackson, Excelsior, Hamilton, Bay View, Holly Park, Yerba Buena, Presidio, Marshall, McKinley, Spring Valley, California Women's Hospital Site.

299	Salaries and Administration	$ 35,000
300	Equipment, Maintenance and Improvement	35,000
		$70,000
301	BOARD OF CENSORSHIP	$ 600
		$600
302	MUNICIPAL BAND FOR PUBLIC PARK CONCERTS ONLY	$ 10,000
		$10,000

SEALER OF WEIGHTS AND MEASURES.

303	Sealer	$ 2,400
304	4 Assistants at $1,800 each	7,200
305	Transportation	500
306	Miscellaneous	300
307	2 Ford Runabouts	1,100
		$11,500

BOARD OF PUBLIC WORKS.

Budget Item No.		
308	3 Commissioners at $4,000 each	$ 12,000
		$12,000

General Office:

309	Deputy Commissioner	$ 3,000
310	1 Clerk	3,000
311	1 Clerk	2,400
312	1 Clerk	1,800
313	2 Stenographers at $1,680 each	3,360
314	1 Stenographer	1,500
315	1 Messenger	1,500
316	1 Chauffeur	1,500
317	2 Telephone Operators at $1,020 each	2,040
		$20,100

Bookkeeping and Accounting:

Division A—General Accounting.

318	1 Bookkeeper	$ 3,600
319	1 Clerk	2,280
320	1 Clerk	2,100
321	1 Clerk	1,800
322	1 Clerk	1,500
323	1 Stenographer	1,680
324	1 Chief Timekeeper	1,800
325	2 Outside Timekeepers at $1,500 each	3,000
326	2 Timekeepers' Clerks at $1,200 each	2,400
327	1 Cashier	2,400
328	1 Clerk	1,800
329	1 Stenographer	1,500
		$25,860

Division B—Maintenance and Repair.

330	1 Clerk in charge	$ 2,100
331	1 Clerk	1,620
332	1 Clerk	1,500
333	1 Clerk	1,500
334	1 Clerk	1,500
335	1 Clerk	1,500
336	1 Clerk	1,320
337	1 Clerk	1,200

BOARD OF PUBLIC WORKS—Continued

Budget Item No.			
338	1	Stenographer	1,500
339	1	Clerk	1,800
			$15,540

Division C—Storekeeping.

340		Storekeeper in charge of Corporation Yard	$ 2,100
341	1	Watchman at $5 per day	1,800
342	1	Watchman	1,440
343	4	Watchmen at $1,080 each	4,320
344	2	Blacksmiths at $5 per day	3,000
345	2	Blacksmiths' Helpers at $3.50 per day	2,100
346	1	Painter	1,500
347	4	Laborers at $3 per day	3,600
			$19,860

Building Inspection:

348	1	Chief Inspector	$ 3,600
349	2	Inspectors at $2,100 each	4,200
350	7	Inspectors at $1,800 each	12,600
351	1	Boiler Inspector	1,800
352	1	Clerk-Stenographer	2,400
353	1	Clerk	1,800
354	1	Structural Engineer	2,400
355	1	Inspector House Numbers	2,100
			$30,900

Street Repair:

356	1	Superintendent	$ 3,300
357	1	Assistant Superintendent	2,400
358	3	Engineers on Bridges at $1,560 each	4,680
359	5	Watchmen Bridge Tenders at $1,080 each	5,400
			$15,780

Sewer Repairs and Cleaning:

360	1	Superintendent	$ 3,000
			$3,000

Miscellaneous and Relief Various Departments:

361	2	Watchmen, Pipe Yard, at $1,080 each	$ 2,160
362		Relief Engineers	3,300
363		Relief Watchmen	2,160
			$7,620

BOARD OF PUBLIC WORKS—Continued

Budget Item No.		
	Building Repairs and Maintenance:	
364	1 Superintendent	$ 3,000
365	1 Assistant Superintendent	2,400
366	1 Head Janitor	1,800
367	1 Assistant Head Janitor	1,380
368	36 Janitors and Janitresses at $1,080 each	38,880
369	2 Watchmen at $1,080 each	2,160
370	2 Chief Engineers at $2,100	4,200
371	5 Engineers at $1,500 each	7,500
372	13 Elevator Operators at $1,080 each	14,040
373	1 Elevator Starter	1,200
		$76,560
	Bureau of Architecture:	
374	1 Chief Draftsman	$ 3,000
375	1 Draftsman	2,400
376	1 Clerk	2,100
377	1 Quantity Surveyor	1,980
378	1 Draftsman	1,800
379	1 Stenographer	1,200
		$12,480
	Bureau of Engineering:	
380	1 City Engineer	$ 15,000
381	1 Chief Assistant	4,800
382	1 Assistant	3,600
383	1 Assistant	3,000
384	2 Assistants at $2,100 each	4,200
385	3 Assistants at $1,800 each	5,400
386	2 Assistants at $1,620 each	3,240
387	3 Assistants at $1,500 each	4,500
388	1 Engineering Draftsman	2,100
389	1 Engineering Draftsman	1,920
390	2 Engineering Draftsmen at $1,800 each	3,600
391	3 Engineering Draftsmen at $1,620 each	4,860
392	4 Engineering Draftsmen at $1,500 each	6,000
393	1 Cartographer	1,800
394	1 Surveyor	2,100
395	7 Surveyors at $1,800 each	12,600
396	1 Surveyor's Field Assistant	2,100
397	6 Surveyor's Field Assistants at $1,500 each	9,000

BOARD OF PUBLIC WORKS—Continued

Budget Item No.		
398	5 Surveyor's Field Assistants at $1,320 each	6,600
399	17 Surveyor's Field Assistants at $1,200 each	20,400
400	1 Engineering Chemist	2,100
401	1 Assistant Engineering Chemist	1,500
402	1 Photographer	1,800
402a	1 Assistant Photographer	1,500
403	1 Inspector Streets and Sewers	1,800
404	Inspectors of Streets and Sewers, under contract, at $5 per day each	21,200
405	1 Male Stenographer	1,500
406	1 Female Stenographer	1,500
407	1 Female Stenographer	1,320
		$151,040

Inspection of Complaints:

408	1 Chief Deputy	$ 3,000
409	1 Clerk	2,400
410	1 Clerk	1,800
411	3 Inspectors at $2,100 each	6,300
412	2 Inspectors at $1,800 each	3,600
		$17,100

Miscellaneous:

413	Maintenance and Transportation, Division C Storekeeping	$ 5,000
414	Transportation, Buggies and Auto Rental	10,000
415	Car Fare	2,500
416	Automobile Maintenance	3,000
417	Supplies and Maintenance, including Janitors' Supplies Fuel Oil, Electric Power, Engineers' Sundries, Lamps, etc., Repairs and Upkeep of Elevators and Engines	15,000
418	General Supplies	2,500
419	Bureau of Engineering Supplies	5,000
420	Maintenance and Supplies, Photostat Room	1,500
421	Maintenance, Sewage Pumping Stations	10,000
423	Maintenance and Operation City Hall and Auditorium	5,000
424	Civic Center Power House—4 Firemen for 6 months at $100 per month each	2,400
425	County Jail, 2 Elevator Operators at $1,080 each	2,160
		$64,060

HEALTH DEPARTMENT.

Budget Item No.		
426	Health Officer	$ 3,600
427	Chief Clerk	2,700
428	Bookkeeping-Auditor	2,400
429	Mortuary Clerk	1,500
430	Birth Registry Clerk	1,500
431	Sanitation Clerk	1,920
432	Complaint Clerk	1,200
433	Auditor's Clerk	1,200
434	Filing Clerk	1,080
435	Stenographer	1,200
436	2 Stenographers at $1,200 each	2,400
437	Telephone Operator	1,020
438	City Physician	2,400
439	Health Department Expenses	13,000
440	Relief for Vacations for Nurses, Drivers and others	3,000
441	Burial of Indigent Dead	4,000
		$44,120
	Inspectors:	
442	Chief	$ 3,000
443	4 Sanitary Inspectors at $1,800 each	7,200
444	3 Industrial Inspectors at $1,500 each	4,500
445	1 Chief Plumbing Inspector	2,100
446	5 Plumbing Inspectors at $1,800 each	9,000
447	4 Veterinary Meat Inspectors at $1,620 each	6,480
448	13 Market Inspectors at $1,500 each	19,500
449	2 Dairy Veterinarians at $1,800 each	3,600
450	2 Dairy Inspectors at $1,500 each	3,000
451	2 Food Inspectors at $1,500 each	3,000
452	2 Disinfectors at $1,500 each	3,000
453	1 Medical School Inspector	1,800
454	2 Medical School Inspectors at $1,200 each	2,400
455	3 Health Inspectors of Schools at $1,020 each	3,060
456	6 Health Inspectors of Schools at $960 each	5,760
457	5 Health Inspectors of Schools at $900 each	4,500
458	2 Tenement House Inspectors at $1,500 each	3,000
459	1 Inspector of Indigents	1,200
		$86,100
	Laboratory:	
460	Director of Laboratories	$ 3,600
461	1 Bacteriologist	900
462	1 Helper	720

HEALTH DEPARTMENT—Continued

Budget Item No.		
463	2 Chemists at $1,500 each	3,000
464	1 Helper	900
465	1 Laboratory Assistant	1,500
466	1 Stenographer-Clerk	900
		$11,520
	San Francisco Hospital:	
467	Superintendent	$ 3,600
468	Resident Physician	1,800
469	15 Internes at $120 each	1,800
470	5 House Physicians at $300 each	1,500
471	1 Commissary Clerk	1,800
472	1 Secretary	1,800
473	1 Stenographer	900
474	4 Ambulance Drivers, Including Emergency Drivers at $1,200 each	4,800
475	1 Watchman	900
476	1 Watchman	780
477	1 Superintendent of Nurses	1,200
478	1 Assistant Superintendent of Nurses	1,080
479	1 Operating Room Nurse	1,080
480	1 Assistant Operating Room Nurse	720
481	1 Dietician	900
482	1 Nurse in charge of Nurses' Home	720
483	4 Graduate Nurses at $720 each	2,880
484	1 Night Nurse Superintendent	840
485	8 Post Graduate Nurses at $480 each	3,840
486	Pupil Nurses, number required	10,000
487	12 Orderlies at $144 each	1,728
488	1 Druggist	1,500
489	1 Druggist Helper	600
490	1 Druggist Porter	240
491	1 Telephone Operator	900
492	1 Telephone Operator	900
493	1 Receiving Clerk	1,200
494	1 Night Telephone Operator	540
495	1 X-Ray Operator	600
496	1 X-Ray Attendant	360
497	1 Storekeeper	960
498	1 Assistant Storekeeper	480
499	1 Surgical Dresser	1,200
500	1 Teamster	960

HEALTH DEPARTMENT—Continued

Budget Item No.		
501	6 Elevator Operators at $720 each	4,320
502	1 Chief Cook	1,200
503	1 Butcher Cook	1,200
504	1 Cook	1,080
505	1 Relief Cook	1,080
506	1 Cook's Helper, night	480
507	3 Waiters at $672 each	2,016
508	1 Head Waiter	780
509	4 Waitresses at $480 each	1,920
510	1 Seamstress	600
511	1 Seamstress Helper	360
512	1 Housekeeper	480
513	Institutional Help	20,000
514	10 Ironers at $420 each	4,200
515	1 Anestheticist	900
	Housekeeping Department:	
516	1 Steward	1,200
517	5 Chambermaids at $300 each	1,500
518	1 Cook	420
519	1 Chambermaid	300
520	1 Locker Man	480
521	6 Utility Men at $240 each	1,440
522	1 Gardener	900
523	4 Yardmen at $300 each	1,200
	Laundry Department:	
524	1 Head Laundryman	1,200
525	2 Laundrymen at $480 each	960
526	2 Linen Men at $300 each	600
	Engineering Department:	
527	1 Chief Engineer	2,100
528	3 Assistants at $1,500 each	4,500
529	3 Firemen at $1,200 each	3,600
530	1 Electrician	1,500
531	1 Plumber	1,800
533	Relief Engineer	650
534	Relief Fireman	520
	Miscellaneous:	
535	1 Fumigator and Disinfector	300
536	1 Morgue Man	300

HEALTH DEPARTMENT—Continued

Budget Item No.		
537	3 Stewards, Emergency Service, at $1,200 each	3,600
		$124,794
538	Maintenance for Hospitals	$ 150,000
		$150,000

Tubercular Department, San Francisco Hospital:

539	1 Resident Physician	$ 1,800
540	1 Interne	600
541	1 Interne	480
542	1 Gateman	720
543	3 Graduate Nurses at $900 each	2,700
544	1 Commissary Clerk (3 months)	300
546	1 Chambermaid	420
547	2 Practical Nurses at $360 each	720
548	1 Superintendent of Nurses	1,080
549	4 Yardmen at $192 each	768
550	1 Waiter	672
551	5 Waiters at $144 each	720
552	1 Cook	1,200
553	1 Assistant Cook	1,080
554	10 Pupil Nurses at $144 each	1,440
555	6 Orderlies at $180 each	1,080
556	7 Orderlies at $240 each	1,680
557	2 Cook's Helpers at $216 each	432
558	3 Pantrymen at $216 each	648
559	10 Helpers at $192 each	1,920
560	1 Morgue Tender	240
561	9 Wardmen at $120 each	1,080
562	1 Relief Waiter	130
		$21,910

Isolation Hospital:

563	1 Resident Physician	$ 2,400
564	1 Interne	120
565	1 Head Nurse	1,200
566	1 Attendant to Lepers	1,080
567	4 Graduate Nurses at $900 each	3,600
568	2 Cooks at $1,080 each	2,160
569	10 Pupil Nurses at $144 each	1,440
570	1 Night Watchman	720

HEALTH DEPARTMENT—Continued

Budget Item No.		
571	1 Day Watchman	960
572	1 Gardener	960
573	5 Wardwomen at $420 each	2,100
574	4 Helpers at $120 each	480
575	2 Helpers at $144 each	288
576	2 Laundrywomen at $420 each	840
577	1 Kitchen Helper	360
578	1 Ambulance Driver	960
579	Maintenance	16,000
580	Additional Nurses	1,000
		$36,668

Emergency Hospital:

581	Chief Surgeon	$ 2,400
582	1 Chief Steward	2,100
583	1 Clerk-Stenographer	1,200
584	12 Assistant Surgeons at $1,320 each	15,840
585	18 Stewards at $1,200 each	21,600
586	6 Nurses at $1,080 each	6,480
587	3 Matrons at $960 each	2,880
588	3 Pupil Nurses at $144 each	432
589	1 Seamstress	720
590	12 Drivers at $1,200 each	14,400
591	Maintenance	14,335
		$82,387

Relief Home:

592	Superintendent	$ 3,600
593	1 Clerk	1,620
594	1 Stenographer	1,080
595	2 Physicians at $1,620 each	3,240
596	1 Head Nurse	900
597	1 Nurse	840
598	1 Night Nurse	780
599	3 Nurses at $720 each	2,160
600	1 Steward	1,380
601	1 Steward	1,320
602	1 Steward	960
603	1 Steward	900
604	1 Steward	840
605	1 Steward	720

HEALTH DEPARTMENT—Continued

Budget Item No.		
606	1 Head Matron	1,080
607	2 Matrons at $780 each	1,560
608	1 Ambulance Driver	960
609	1 Warehouse Man	1,200
610	1 Plumber	1,200
611	1 Foreman	960
612	2 Watchmen at $780 each	1,560
613	1 Auto Truck Driver	960
614	1 Engineer	1,680
615	1 Assistant Engineer	1,380
616	1 Butcher	1,200
617	1 Gardener	1,080
618	2 Farmers at $960 each	1,920
619	Cooks, number required	6,720
620	Laundrymen, number required	1,080
621	Laundresses, number required	540
622	1 Pantryman	720
623	1 Orderly	480
624	2 Seamstresses at $600 each	1,200
625	1 Milker	600
626	1 Milker	480
627	1 Hospital Attendant	480
628	Inmate Labor	15,720
629	Maintenance	150,000
		$215,700

For Additional Equipment for Health Service:

630	2 Ford Automobiles	$ 1,100
631	1 Emergency Hospital Motor Ambulance	3,000
		$4,100
632	For special Emergency Sanitary Measures to be expended by the Board of Health and the United States Marine Hospital Service, under the direction of the Board of Supervisors	10,000
		$10,000

FIRE DEPARTMENT.

Budget Item No.		
633	4 Commissioners at $1,200 each	$ 4,800
634	Secretary	2,400
635	Physician	1,800
636	Stenographer	1,800
637	Chief Engineer	5,000
638	First Assistant Chief	3,600
639	Second Assistant Chief	3,000
640	11 Battalion Chiefs at $2,700 each	29,700
641	13 Operators at $1,500 each	19,500
642	48 Engine Companies	799,720
643	2 Relief Companies	8,040
644	12 Chemical Engine Companies	77,250
645	12 Truck Companies	214,260
646	2 Fire Boats	76,000
647	3 Monitors	4,320
648	2 Water Towers	12,860
		$1,264,050

Corporation Yard:

649	1 Superintendent of Engines	$ 2,700
650	1 Clerk and Commissary	1,800
651	1 Night Watchman	1,200
652	5 Watchmen at $1,200 each	6,000
653	3 Draymen at $1,200 each	3,600
654	8 Machinists at $4.50 per day	11,304
655	1 Foreman, Wagon and Carriage Shop	1,570
656	5 Blacksmiths at $4.50 per day	7,065
657	5 Blacksmiths' Helpers at $3.75 per day	5,887
658	1 Woodworker at $4.50 per day	1,413
659	1 Pattern Maker at $5.25 per day	1,649
660	1 Brass Finisher at $4.50 per day	1,413
661	2 Boiler Makers at $4.50 per day	2,836
662	2 Boiler Makers' Helpers at $3.25 per day	2,047
663	1 Steam Fitter at $6.00 per day	1,884
664	1 Foreman Painter at $5.00 per day	1,570
655	3 Carriage Painters at $4.50 per day	4,239
666	1 Foreman Harness Maker at $5.00 per day	1,570
667	3 Harness Makers at $4.25 per day	4,003

FIRE DEPARTMENT—Continued

Budget Item No.			
668	4	Horseshoers at $5.00 per day	6,280
669	7	Hydrantmen at $1,200 each	8,400
670	1	Superintendent of Stables	1,860
671	1	Veterinarian	1,200
672	8	Hostlers at $1,200 each	9,600
672a	1	Draftsman	1,500
			$92,590

Auxiliary Fire Protection:

Pumping Stations Nos. 1 and 2.

673	2	Chief Engineers at $2,100 each	$ 4,200
674	5	Assistant Engineers at $1,500 each	7,500
675	7	Firemen at $1,200 each	8,400
			$20,100

Distributing System:

676	1	Superintendent	$ 2,400
677	1	Foreman Gateman	1,500
678	5	Gatemen at $1,200 each	6,000
679	3	Laborers at $3.00 per day	2,817
680	1	Caulker at $4.50 per day	1,404
681	1	Keeper Twin Peaks and Ashbury Reservoirs	1,440
			$15,561
682		Fire Department Maintenance	$ 150,000
683		For purchase of Fire Fighting Apparatus and Hose	80,000
			$230,000

DEPARTMENT OF ELECTRICITY.

684	1	Chief	$ 3,000
685	1	Secretary-Bookkeeper	2,100
686	1	Stenographer	1,320
687	1	Messenger	1,020
688	1	Chief Inspector	1,800
689	6	Inspectors at $1,500 each	9,000
690	1	Inspector Aero Construction	1,500
691	1	Clerk	1,200
692	1	Chief Operator	1,800
693	7	Operators at $1,500 each	10,500
694	4	Telephone Operators at $1,020 each	4,080

DEPARTMENT OF ELECTRICITY—Continued

Budget Item No.		
695	For Vacation and Relief of Telephone Operators	300
696	1 Foreman Machine Shop	1,620
697	3 Instrument Makers at $1,350 each	4,050
698	1 Machinist	1,350
699	1 Painter	1,350
700	1 Assistant Chief, Construction Department	2,400
701	1 Foreman Lineman	1,500
702	1 Cable Splicer	1,716
703	1 Batteryman	1,500
704	1 Storekeeper	1,200
705	1 Hostler	1,200
706	12 Linemen at $1,350 each	16,200
707	1 Repairer	1,380
708	Laborers	2,160
709	Maintenance, Supplies and Equipment	6,000
710	General Extensions, including Police Signal System	36,000
		$117,246

DEPARTMENT OF ELECTIONS.

711	General Elections	$ 274,000
712	5 Commissioners at $1,000 each	5,000
713	Registrar of Voters	2,400
714	2 Deputies at $2,100 each	4,200
715	6 Deputies at $1,800 each	10,800
716	2 Stenographers at $1,200 each	2,400
717	1 Storekeeper	1,200
718	Special Elections	50,000
		$350,000
719	Relief of Exempt Firemen	$ 5,000
		$5,000

Total General Fund, $9,379,739.00

720	Firemen's Relief and Pension Fund	$ 105,000
		$105,000

COMMON SCHOOL FUND.

Budget Item No.		
721	4 Commissioners at $3,000 each	$ 12,000
722	1 Superintendent	4,000
723	5 Deputies at $3,000 each	15,000
724	Stenographer-Clerk to Superintendent of Schools	1,500
725	1 Secretary	1,800
726	1 Financial Secretary	2,160
727	2 Recording Secretaries at $1,020 each	2,040
728	3 Stenographers at $1,200 each	3,600
729	1 Telephone Operator	1,020
730	2 Messengers at $960 each	1,920
731	1 Storekeeper	1,800
732	1 Assistant Storekeeper	960
733	1 Superintendent of Buildings	2,100
734	1 Clerk (Gas and Water Inspection)	1,500
735	1 Bookkeeper, Supply Department	1,500
736	1 Chauffeur	1,500
737	Clerical Help, new accounting system	900
738	Teachers' Salaries	1,670,000
738a	New Teachers Elementary Schools	60,000
738b	New Teachers for High Schools	10,000
738c	Allowance for Teachers Outside Experience	25,000
739	Janitorial Salaries	116,000
740	Labor	15,000
741	Rents	3,000
742	Teachers' Institute	500
743	Maintenance	130,000
744	Scavenger Service	4,000
744a	Lecture Bureau	2,000
745	Athletic Department, Social Center	14,000
746	Kindergartens	5,000
747	Auto for Superintendent	850
748	Polytechnic High School Equipment	20,000
		$2,130,650
749	Library Fund	$ 97,000
750	Park Fund	378,000
751	Bond Interest and Redemption	2,912,193

Grand Total, $15,002,582.00

Section 2. This Ordinance shall take effect immediately.

Ayes—Supervisors Deasy, Gallagher, Hayden, Hilmer, Hocks, Jennings, Kortick, Murdock, Nelson, Nolan, Payot, Power, Suhr, Vogelsang, Walsh—15.

Absent—Supervisors Bancroft, McCarthy, McLeran—3.

J. S. DUNNIGAN,
Clerk Board of Supervisors.

Approved June 16, 1915.

JAMES ROLPH, JR., Mayor.

TAX LEVY.

Providing revenue and levying taxes for City and County purposes for the fiscal year ending June 30, 1917.

Be it ordained by the People of the City and County of San Francisco as follows:

Section 1. Under and pursuant to the provisions of the Charter of the City and County of San Francisco, and of the laws of the State of California, and in conformity therewith, a tax is hereby levied for City and County purposes for the fiscal year ending June 30, 1917, on all the property, real and personal, in the City and County of San Francisco, except such property as is by law exempt from taxation, the sum of two and thirty-three one-hundredths dollars on each one hundred dollars valuation of said taxable property, as the same appears upon the assessment roll of said City and County for said fiscal year, which said sum of two and thirty-three one-hundredths dollars tax on each one hundred dollars valuation as aforesaid is hereby apportioned to the funds and accounts and for the purpose designated as follows:

For the General Fund (being the tax permitted to be levied by Section 11 of Chapter I of Article III of the Charter of said City and County not in excess of one dollar on each $100.00 assessed valuation) a rate of $0.97

For the General Fund, to meet the cost of the construction and repairs to streets, sewers and buildings for the police, fire, health and school departments and detention home, the rate of ..... .29

For the General Fund, to meet the costs of elections and to pay demands, salaries, expenses or other obligations imposed upon the City and County by legislative or constitutional enactment of the State of California, the rate of ..... .15

For the Library Fund, to meet the cost of maintaining public libraries and the purchase of books therefor, the rate of.... .02

For the Park Fund, to pay for the maintenance of the parks, squares and public grounds, the rate of ..... .07

For the Firemen's Relief and Pension Fund, the rate of ..... .02

For the Common School Fund (for the support of Elementary and High Schools), the rate of ..... .27

For the respective funds to redeem and pay the interest on bonds sold prior to November 8, 1910, as follows:

Street Bond, Redemption and Interest Fund, issue 1904..... .0073

School Bond Redemption and Interest Fund, issue 1904..... .0129

County Jail and Additions to Hall of Justice Bond Redemption and Interest Fund, issue 1904	.0029
Library Bond Redemption and Interest Fund, issue 1904	.0070
Children's Playgrounds Bond Redemption and Interest Fund, issue 1904	.0052
Golden Gate Park and Presidio Extension Bond Redemption and Interest Fund, issue 1904	.0023
Mission Park Bond Redemption and Interest Fund, issue 1904	.0020
Fire Protection Bond Redemption and Interest Fund, issue 1908	.0446
Sewer Bond Redemption and Interest Fund, issue 1908	.0272
School Bond Redemption and Interest Fund, issue 1908	.0354
Hospital Bond Redemption and Interest Fund, issue 1908	.0145
Hall of Justice Bond Redemption and Interest Fund, issue 1908	.0086
Garbage Disposal Bond Redemption and Interest Fund, issue 1908	.0101
For the respective funds to redeem and pay the interest on bonds sold since November 8, 1910, as follows:	
Street Bond Redemption and Interest Fund, issue 1904	.0009
School Bond Redemption and Interest Fund, issue 1904	.0035
Library Bond Redemption and Interest Fund, issue 1904	.0035
Fire Protection Bond Redemption and Interest Fund, issue 1908	.0136
Sewer Bond Redemption and Interest Fund, issue 1908	.0188
School Bond Redemption and Interest Fund, issue 1908	.0325
Hospital Bond Redemption and Interest Fund, issue 1908	.0147
Hall of Justice Bond Redemption and Interest Fund, issue 1908	.0056
Garbage Disposal Bond Redemption and Interest Fund, issue 1908	.0015
Polytechnic High School Bond Redemption and Interest Fund, issue 1910	.0089
Water Bond Interest Fund, issue 1910	.0320
City Hall Bond Redemption and Interest Fund, issue 1912	.1185
Exposition Bond Redemption and Interest Fund, issue 1912	.0797
Hospital-Jail Completion Bond Redemption and Interest Fund, issue 1913	.0263
	$2.33

Section 2. This Ordinance shall take effect immediately.

VALUES OF PROPERTY IN, AND INDEBTEDNESS OF, EACH COUNTY FOR THE YEAR

COUNTIES.	Classification.	Number of Acres of Land Assessed	Value of Real Estate.	Value of Improvements on Real Estate.	Value of Personal Property.	Money and Solvent Credits.	Value of Non-Operative Property.
Alameda	3d class	458,370	$147,418,116	$65,672,550	$20,633,486	$1,649,180	$235,373,332
Alpine	58th "	42,947	467,373	108,555	69,344	.....	645,272
Amador	41st "	297,858	3,743,208	1,674,920	752,693	.....	6,170,821
Butte	19th "	900,618	12,119,805	4,900,430	3,142,345	32,260	20,194,840
Calaveras	40th "	501,317	4,601,945	1,704,025	986,670	12,420	7,305,060
Colusa	44th "	610.082	11,420,225	1,606,865	1,755,080	34,470	14,816,640
Contra Costa	16th "	440,105	26,484,135	14,664,295	8,628,061	2,089,245	51,865,736
Del Norte	56th "	220,958	4,469,250	266,855	252,305	250	4,988,660
El Dorado	45th "	671,741	5,004,685	1,186,405	816,240	600	7,007,930
Fresno	5th "	2,251,340	53,241,430	19,186,373	12,931,585	290,132	85,619,520
Glenn	46th "	622,413	13,126,997	1,585,893	1,956,482	14,350	16,683,722
Humboldt	15th "	1,650,336	24,399,750	4,260,470	2,988,492	61 123	31,709,835
Imperial	36th "	992,686	19,168,333	2,984,646	3,974,228	.....	26,127,207
Inyo	47th "	275,436	5,418,561	1,200,140	1,227,081	11,788	7,857,570
Kern	11th "	3,225,581	46,591,203	12,319,764	16,436,938	4,280	75,352,185
Kings	32d "	823,434	10,446,135	2,338,920	2,887,915	13,445	15,686,415
Lake	50th "	332,547	3,404,365	928,690	585,925	15,650	4,934,630
Lassen	52d "	820,981	5,020,531	841,353	1,812,057	28,127	7,702,068
Los Angeles	1st "	1,208,856	533,617,675	169,883,825	84,805,226	9,581,080	797,887,806
Madera	42d "	765.669	11,395,370	1,106,400	1,626,659	78	14,128,507
Marin	22d "	321,871	13,881,370	6,225,310	1,673,100	147,265	21,927,045
Mariposa	54th "	334,510	2,261,113	501,766	620,104	1,455	3,384,438
Mendocino	24th "	1,650,784	11,605,460	2,312,165	2,445,578	71,373	16,434,576
Merced	33d "	1,179,401	16,335,825	3,191,500	3,607,565	.....	23,134,890
Modoc	49th "	687,736	4,925,150	1,025,565	1,767,471	128,915	7,847,101
Mono	57th "	174,957	1,367,335	265,185	417,950	.....	2,050,470
Monterey	23d "	1,565,860	21,610,991	5,026,180	4,494,188	500	31,131,859
Napa	26th "	402,309	9,065,020	5,659,200	2,649,870	47,055	17,421,145
Nevada	34th "	480,764	3,297,425	2,524,495	933,835	22,430	6,778,185
Orange	14th "	446,012	30,254,450	9,566,090	9,704,475	61,775	49,586,790
Placer	31st "	632,270	6,239,460	2,752,205	651,910	19,650	9,663,225
Plumas	51st "	529.305	5,368,396	746,575	1,077,060	24,571	7,216,602
Riverside	13th "	1,789,975	18,616,323	7,938,480	2,569,790	.....	29,124,593
Sacramento	6th "	597,996	55,872,776	19,833,270	8,658,800	615,560	84,980,406
San Benito	43d "	592,658	6,020,085	1,591,170	1,515,175	.....	9,126,430
San Bernardino	8th "	1,379,864	26,714,960	13,706,155	3,226,235	26,015	43,673,365
San Diego	7th "	1,179,782	53,375,417	11,505,030	6,511,952	977,384	72,369,783
San Francisco	2d "	29,760	302,575,489	175,387,605	47,368,558	17,231,204	542,562,856
San Joaquin	9th "	870,916	37,340,326	15,083,132	7,743,987	257,141	60,424,586
San Luis Obispo	27th "	2,528.275	9,907,381	3,676,801	5,663,994	1,100	19,249,276
San Mateo	20th "	307,332	22,107,385	9,680,755	2,068,220	290,950	34,147,310
Santa Barbara	17th "	1,042,107	17,436,430	7,970,960	5,798,975	10,200	31,216,565
Santa Clara	4th "	743,822	47,187,880	23,708,890	6,700,865	671,835	78,269,470
Santa Cruz	21st "	259,289	10,860,875	5,482,250	1,926,400	7,005	18,276,530
Shasta	28th "	1,483,086	10,146,545	2,540,205	1,656,105	.....	14,342,855
Sierra	53d "	325,431	1,652,100	439,715	200,630	1,785	2,294,230
Siskiyou	29th "	1,870,241	11,889,060	2,276,090	3,093,740	54,345	17,313,235
Solano	18th "	515,215	14,775,120	6,055,255	2,895,916	18,592	23,744,883
Sonoma	10th "	914,985	21,109,820	10,876,970	4,691,910	145,495	36,824,195
Stanislaus	25th "	870,900	18,777,530	6,320,305	4,423,340	135,920	29,657,095
Sutter	48th "	374,513	8,976,735	1,292,200	1,289,580	23,850	11,582,365
Tehama	37th "	2,060,881	9,093,415	2,397,175	2,313,140	76,000	13,879,730
Trinity	55th "	582,980	2,490,005	307,300	403,600	8,115	3,208,420
Tulare	37th "	1,407,836	30,020,670	9,626,265	5,382,815	39,130	45,068,880
Tuolumne	39th "	450,629	4,803,687	2,101,740	1,000,803	3,116	7,909,346
Ventura	30th "	563,766	21,961,150	3,555,480	3,356,460	10,565	28,883,655
Yolo	35th "	597,763	15,479,940	3,533,230	2,480,005	22,300	21,515,475
Yuba	38th "	396,104	4,523,230	1,856,660	2,150,955	14,635	8,545,480
Totals		49,255,160	$1,851,485,421	$696,960,698	$333,403,268	$35,005,709	$2,916,855,096

NOTE:—Where two rates of taxation are given, the lesser rate is that levied upon property

1916 AND RATE OF TAXATION (NO RATE FOR STATE PURPOSES THIS YEAR.)

Value of Property Assessed on Operative Roll.	Total Value of Property as Returned by Auditors.	Value of Railroads as Assessed by State Board of Equalization.	Grand Total of All Property.	Funded Debt.	Floating Debt with Estimated Interest.	Total County Indebtedness.	Total County Rate of Taxation on each $100 (no State Rate).
							In- Out-
$21,980,159	$257,353,491	$5,262,270	$262,615,761	.....	$25,273 08	$25,273 08	$1.00—$1.40
119,550	764,822	.....	764,822	.....	6,696 66	6,696 66	1.35
605,545	6,776,366	212,230	6,988,596	.....	.....	.....	1.60—2.00
2,164,135	22,358,975	3,471,811	25,830,786	.....	.....	.....	2.40—2.80
498,595	7,803,655	408,854	8,212,509	.....	.....	.....	1.65—2.05
434,407	15,251,047	991,290	16,242,337	$350,000	.....	350,000 00	1.35—1.90
2,227,416	54,093,152	4,162,807	58,255,959	161,000	.....	161,000 00	1.55—1.95
35,050	5,023,710	.....	5,023,710	.....	2,388 00	2,388 00	1.30—1.90
315,333	7,323,263	797,386	8,120,649	120,000	....	120,000 00	1.70—2.10
5,772,164	91,421,684	8,208,403	99,630,087	.....	.....	.....	1.26—1.66
290,837	16,974,559	1,519,306	18,493,865	450,000	.....	450,000 00	1.29—1.69
1,089,040	32,798,875	1,705,704	34,504,579	.....	.....	.....	1.86—2.40
1,818,202	27,945,409	2,799,256	30,774,665	.....	.....	.....	1.48—2.05
1,263,305	9,120,875	3,293,453	12,414,328	30,000	.....	30,000 00	1.30—1.60
7,266,735	82,618,920	8,460,044	91,078,964	2,451,000	.....	2,451,000 00	.85—1.20
567,405	16,253,820	2,188,965	18,442,785	655,000	.....	655,000 00	1.80—2.40
19,820	4,954,450	.....	4,954,450	20,000	.....	20,000 00	1.59—2.09
178,925	7,880,993	2,697,635	10,578,628	100,000	.....	100,000 00	1.60—2.00
182,513,725	980,401,531	10,977,331	991,378,862	3,300,000	.....	3,300,000 00	.81—1.21
593,430	14,721,937	1,821,157	16,543,094	.....	.....	.....	1.50—1.90
844,650	22,771,695	1,223,859	23,995,554	.....	.....	.....	1.40—1.75
24,979	3,409,417	388,116	3,797,533	.....	.....	.....	1.90
683,657	17,118,233	1,576,029	18,694,262	57,500	1,740 79	59,240 79	1.75—2.35
370,485	23,505,375	3,415,049	26,920,424	10,000	.....	10,000 00	1.40—2.00
76,248	7,923,349	231,982	8,155,331	.....	.....	.....	1.30—1.70
7,820	2,058,290	702,555	2,760,845	.....	.....	.....	2.00
727,378	31,859,237	3,686,268	35,545,505	548,000	.....	548,000 00	1.40—1.80
531,983	17,953,128	1,777,429	19,730,557	.....	.....	.....	1.39—1.76
951,975	7,730,160	817,067	8,547,227	.....	.....	....	1.90—2.40
4,521,555	54,108,345	3,295,245	57,403,590	1,308,000	.....	1,308,000 00	1.55—1.95
1,255,631	10,918,856	2,559,005	13,477,861	.....	.....	.....	2.25—2.65
1,575 766	8,792,368	2,128,302	10,920,670	135,100	.....	135,100 00	1.85
1,853,860	30,978,453	5,588,932	36,567,385	1,260,000	.....	1,260,000 00	1.97—2.57
7,719,490	92,699,896	3,874,070	96,573,966	1,485,000	39,475 00	1,524,475 00	1.373-1.96
447,100	9,573,530	502,769	10,076,299	278,000	.....	278,000 00	2.15—2.40
6,701,830	50,375,195	17,582,934	67,958,129	1,900,000	.....	1,900,000 00	2.14—2.53
4,617,570	76,987,353	2,483,344	79,470,697	1,064,000	.....	1,064,000 00	1.75—2.45
213,325,918	755,888,774	346,458	756,235,232	44,934,700	.....	44,934,700 00	2.33
4,236,439	64,661,025	5,722,422	70,383,447	1,650,000	.....	1,650,000 00	1.50—1.90
756,583	20,005,859	2,104,218	22,110,077	66,000	.....	66,000 00	1.69—2.25
1,124 535	35,271,845	1,058,910	36,330,755	1,373,000	22,730 00	1,395,730 00	1.82—2.22
1,829 260	33,045,825	3,456,420	36,502,245	250,000	.....	250,000 00	1.60—2.15
6,441'830	84,711,300	2,539,060	87,250,360	300,000	.....	300,000 00	1.50—1.92
1,100'365	19,376,895	1,290,808	20,667,703	.....	.....	.....	1.70—2.30
1,091'400	15 434,255	1,747,684	17,181,939	.....	.....	.....	1.93—2.33
60'760	2,354,990	89,036	2,444,026	.....	.....	.....	1.75—2.25
930'760	18,243,995	3,283,298	21,527,293	.....	.....	.....	1.46—1.86
1,234'282	24,979,165	2,324,926	27,304,091	190,000	.....	190,000 00	1.57—1.97
1,616'755	38,440,950	2,800,820	41,241,770	250,000	.....	250,000 00	1.40—1.80
1,196'265	30,853,360	2,878,523	33,731,883	.....	.....	.....	1.60—2.00
293'991	11,876,356	1,595,822	13,472,178	.....	.....	.....	1.10—1.50
662'785	14,542,515	1,354,462	15,896,977	.....	11,000 00	11,000 00	2.37—2.80
55.118	3,263,538	168,441	3,431,979	.....	.....	.....	2.50
2,142,660	47,211,540	6,112,193	53,323,733	.....	.....	.....	1.60—2.20
1,125,824	9,035,170	458,737	9,493,907	.....	640 26	640 26	1.66—2.13
854,078	29,737,733	2,905,084	32,642,817	1,364,000	.....	1,364,000 00	1.82—2.15
686,315	22,201,790	2,649,994	24,851,784	200,000	.....	200,000 00	1.30—1.90
853,070	9,398,550	1,308,417	10,706,967	.....	22 09	22 09	2.00—2.40
$504,284,748	$3,421,139,844	$157,006,590	$3,578,146,434	$66,260,300	$109,965 88	$66,370,265 88	

situate within the limits of incorporated cities or towns, such property being exempt from road tax.

Department of Elections

San Francisco, Cal., July 27, 1916.

Hon. James Rolph, Jr.,
Mayor, City and County of San Francisco.

Sir:—

In compliance with provisions of Section 9, Article XVI, of the Charter of the City and County of San Francisco, the Board of Election Commissioners hereby submit and present its annual report for fiscal year ending June 30, 1916.

Four elections were held during the past fiscal year, as follows:

September 28, 1915.....Municipal Primary
October 26, 1915.....Special State
November 9, 1915.....General Municipal
May 2, 1916.....Presidential Primary

The report includes the financial statement for the past fiscal year, together with a table showing date of elections, number of precincts, total registration and vote polled at each election since June 19, 1878.

Also summary of votes cast at election held September 28, 1915, October 26, 1915, November 9, 1915, and May 2, 1916.

Also statement showing number of men and women registered and voted, nativity of voters and statement showing a record of all bond elections since December 27, 1899.

Respectfully submitted,

By order of the Board of Election Commissions of the City and County of San Francisco.

C. J. COLLINS, President,
JOHN HERMANN,
JAS. K. PRIOR, JR.,
THOMAS V. CATOR,
WILLIAM McDEVITT,
Election Commissioners.

J. H. ZEMANSKY,
Registrar of Voters and Secretary of the Board of Election Commissioners.

ANNUAL STATEMENT SHOWING APPROPRIATIONS AND EXPENDITURES, DEPARTMENT OF ELECTIONS, FOR FISCAL YEAR ENDING JUNE 30, 1916.

General Appropriation 1915-1916	$300,000.00
General Expenses	278,669.28
Surplus	$ 21,330.72
Special Appropriation	$ 50,000.00
Expenditures	1,503.00
Surplus	$ 48,497.00

FEES COLLECTED.

Indexes to Register	$ 627.45
Candidates' Statements	1,470.00
Filing Fees	10.00
Total	$2,107.45

STATEMENT OF VOTES POLLED AT THE PRIMARY MUNICIPAL ELECTION HELD IN THE CITY AND COUNTY OF SAN FRANCISCO, SEPTEMBER 28, 1915.

MAYOR.

Assembly District	Total Vote Polled	L. Boggione	Gideon S. Brower	F. Carroll	Andrew J. Gallagher	Frederick Head	James Rolph, Jr.	E. E. Schmitz	William T. Valentine	Scattering
Twenty-first	6,712	11	183	16	1,552	16	2,564	2,326	12	
Twenty-second	4,878		114	6	1,023	2	1,792	1,900	7	
Twenty-third	7,932	8	229	24	1,494	19	2,544	3,559	5	
Twenty-fourth	9,118	1	192	7	1,587	38	3,773	3,460	9	
Twenty-fifth	10,233	4	164	12	1,598	43	4,846	3,524	12	
Twenty-sixth	13,365	4	210	17	1,879	60	7,393	3,687	27	
Twenty-seventh	10,051	4	124	7	1,132	38	6,671	2,005	18	
Twenty-eighth	10,986	4	107	7	1,094	26	7,370	2,273	18	
Twenty-ninth	9,710	10	198	21	1,764	15	4,329	3,292	14	
Thirtieth	9,804	9	238	14	983	28	5,528	3,041	21	
Thirty-first	9,604	7	70	10	610	17	6,922	1,865	21	2
Thirty-second	10,301	4	90	9	723	20	7,070	2,315	25	
Thirty-third	6,321	16	53	7	479	15	3,106	2,551	11	
Totals	119,105	82	1,972	157	15,918	337	63,908	35,798	200	2

STATEMENT OF VOTES, PRIMARY MUNICIPAL ELECTION, SEPTEMBER 28, 1915.

POLICE JUDGE.

Assembly District	E. G. Bath	J. F. Brady	Timothy I. Fitzpatrick	John J. Guilfoyle, Jr.	Edward B. Harrington	T. B. Lynch	Henry F. Marshall	Morris Oppenheim	W. C. Shepard	W. H. Sigourney	J. L. Taaffe
Twenty-first	1,518	1,594	2,277	108	161	627	252	3,759	343	310	1,176
Twenty-second	1,004	1,534	1,520	90	101	369	131	2,538	230	190	1,183
Twenty-third	1,693	1,535	2,032	254	206	678	282	4,224	498	371	2,626
Twenty-fourth	2,098	2,469	2,257	430	287	951	297	4,385	508	308	2,717
Twenty-fifth	2,029	2,206	2,841	586	330	1,195	306	5,694	365	254	2,973
Twenty-sixth	3,148	2,592	3,855	287	331	2,036	608	7,073	540	426	3,349
Twenty-seventh	3,218	1,456	3,166	119	225	842	477	5,783	303	230	2,309
Twenty-eighth	3,125	1,758	3,357	109	214	702	391	6,760	431	336	2,401
Twenty-ninth	2,283	2,106	3,089	173	199	857	379	5,273	511	364	2,302
Thirtieth	2,645	1,697	2,872	107	237	1,113	322	5,783	462	467	1,830
Thirty-first	2,375	1,431	3,468	128	350	558	264	5,596	243	224	1,952
Thirty-second	2,512	1,617	3,849	139	361	548	381	6,301	246	237	2,002
Thirty-third	867	1,606	2,405	95	193	328	196	4,020	141	139	1,250
Totals	28,515	23,601	36,988	2,625	3,195	10,804	4,286	67,189	4,821	3,856	28,070

STATEMENT OF VOTES, PRIMARY MUNICIPAL ELECTION, SEPT. 28, 1915

DISTRICT ATTORNEY.

Assembly District	C. M. Fickert	John A. Ness	C. A. Sweigert	Scattering
Twenty-first	3,840	380	2,129	1
Twenty-second	2,735	248	1,665	
Twenty-third	4,085	432	2,982	
Twenty-fourth	4,829	401	3,478	
Twenty-fifth	5,620	366	3,868	
Twenty-sixth	6,838	429	5,612	
Twenty-seventh	5,151	286	4,255	
Twenty-eighth	5,834	299	4,453	
Twenty-ninth	4,962	372	3,833	
Thirtieth	5,537	428	3,467	
Thirty-first	5,450	206	3,548	
Thirty-second	6,205	187	3,511	
Thirty-third	4,401	181	1,390	
Totals	65,487	4,215	44,191	1

ASSESSOR.

Assembly District	John Ginty	N. Mattson	W. H. McCarthy	F. McGlynn	John P. McLaughlin	Scattering
Twenty-first	2,427	381	1,369	83	2,063	
Twenty-second	1,604	278	1,255	53	1,469	
Twenty-third	2,657	421	1,898	117	2,466	
Twenty-fourth	3,645	363	2,334	133	2,261	
Twenty-fifth	3,956	350	3,074	57	2,411	
Twenty-sixth	6,888	460	3,274	88	2,078	
Twenty-seventh	5,600	295	2,699	83	1,011	
Twenty-eighth	6,377	254	2,802	140	985	
Twenty-ninth	4,027	407	2,379	138	2,300	
Thirtieth	5,113	428	2,461	108	1,322	
Thirty-first	5,988	216	2,152	79	703	1
Thirty-second	5,841	257	2,966	93	751	
Thirty-third	2,302	157	2,601	158	732	
Totals	56,425	4,267	31,264	1,330	20,552	1

STATEMENT OF VOTES, PRIMARY MUNICIPAL ELECTION, SEPT. 28, 1915

AUDITOR.

Assembly District	T. F. Boyle	C. A. Preston	Scattering
Twenty-first	4,969	952	1
Twenty-second	3,823	589	
Twenty-third	6,113	1,118	
Twenty-fourth	7,080	1,165	
Twenty-fifth	8,225	1,126	
Twenty-sixth	10,514	1,629	
Twenty-seventh	8,145	1,006	
Twenty-eighth	8,813	1,113	
Twenty-ninth	7,470	1,253	
Thirtieth	7,454	1,413	
Thirty-first	17,821	814	
Thirty-second	7,978	1,213	
Thirty-third	4,906	646	
Totals	93,311	14,037	1

COUNTY CLERK.

Assembly District	A. M. Clark	H. I. Mulcrevy	Scattering
Twenty-first	1,078	4,875	2
Twenty-second	679	3,688	
Twenty-third	1,136	6,047	
Twenty-fourth	1,173	7,029	
Twenty-fifth	1,496	8,089	
Twenty-sixth	1,646	10,422	
Twenty-seventh	1,054	8,161	
Twenty-eighth	1,087	8,893	
Twenty-ninth	1,389	7,421	
Thirtieth	1,313	7,620	
Thirty-first	801	7,926	1
Thirty-second	954	8,296	
Thirty-third	673	4,946	
Totals	14,279	93,413	3

STATEMENT OF VOTES, PRIMARY MUNICIPAL ELECTION, SEPT. 28, 1915

SHERIFF.

Assembly District	R. Allen	F. Eggers	Thos. F. Finn	E. M. Greene	C. W. Johnson	R. McLeran	Scattering
Twenty-first	240	1,036	4,226	26	57	819	1
Twenty-second	190	836	2,979	13	38	607	
Twenty-third	307	1,238	4,775	27	79	1,151	
Twenty-fourth	237	1,442	5,191	22	60	1,850	
Twenty-fifth	225	1,545	5,930	38	59	2,073	
Twenty-sixth	289	2,289	6,637	70	119	3,415	
Twenty-seventh	182	1,522	4,653	43	75	3,134	
Twenty-eighth	164	1,756	5,397	67	75	3,052	
Twenty-ninth	231	2,030	5,302	39	64	1,643	
Thirtieth	284	1,763	5,166	108	65	2,036	
Thirty-first	110	1,487	4,487	76	109	2,796	
Thirty-second	128	1,503	5,178	72	97	2,825	
Thirty-third	110	909	3,986	37	39	886	
Totals	2,697	19,356	63,907	638	936	26,287	1

CORONER.

Assembly District	T. B. W. Leland	Ethel Lynn	Scattering
Twenty-first	4,744	1,342	
Twenty-second	3,525	949	
Twenty-third	5,743	1,579	
Twenty-fourth	6,793	1,491	
Twenty-fifth	7,920	1,575	
Twenty-sixth	10,468	1,955	
Twenty-seventh	8,195	1,131	
Twenty-eighth	9,077	1,204	
Twenty-ninth	7,318	1,625	
Thirtieth	7,602	1,507	
Thirty-first	8,029	891	5
Thirty-second	8,348	1,227	
Thirty-third	5,104	646	
Totals	92,866	17,122	5

STATEMENT OF VOTES, PRIMARY MUNICIPAL ELECTION, SEPTEMBER 28, 1915.

SUPERVISORS.

Assembly District	Max Amber	Fred L. Ayer	Edward J. Brandon	M. P. Christensen	A. Cohan	T. Conway	Neil T. Duffy	Thomas J. Duffy	W. F. Dwyer	W. H. Eastman	Arthur Elken
Twenty-first	317	501	2,691	741	299	672	1,088	633	894	596	626
Twenty-second	36	169	1,402	369	102	398	679	327	511	375	587
Twenty-third	87	410	2,559	653	214	436	833	314	957	533	1,562
Twenty-fourth	99	549	3,352	540	335	358	959	352	860	425	946
Twenty-fifth	98	501	3,534	518	248	375	1,232	412	856	380	974
Twenty-sixth	235	934	4,686	849	356	423	1,467	485	921	490	1,144
Twenty-seventh	168	1,452	4,014	427	230	275	1,333	223	454	331	544
Twenty-eighth	235	683	4,665	444	379	315	1,466	359	492	390	584
Twenty-ninth	224	546	3,749	695	382	503	1,465	481	1,141	519	1,303
Thirtieth	434	646	3,485	674	793	562	1,701	533	753	556	1,018
Thirty-first	223	435	4,288	369	422	286	1,326	388	383	338	475
Thirty-second	349	544	4,768	474	428	369	1,959	531	514	414	575
Thirty-third	83	218	1,999	246	398	385	1,389	612	452	312	442
Totals	2,588	7,588	45,192	6,999	4,586	5,357	16,897	5,650	9,188	5,659	10,780

STATEMENT OF VOTES, PRIMARY MUNICIPAL ELECTION, SEPT. 28, 1915

SUPERVISORS.

Assembly District	T. F. Feeley	F. H. Forrest	Joseph Gallagher	M. E. Galvan	Chas. Gildea	Minnie Goldthwaite	William R. Hagerty	F. L. Hansen	J. Emmet Hayden	Jno. L. Herget	Thor. O. Heydenfeldt
Twenty-first	623	442	1,167	295	264	350	2,268	1,348	2,152	2,168	555
Twenty-second	348	295	1,087	191	192	168	1,319	955	1,633	1,276	361
Twenty-third	672	582	1,585	412	296	431	2,545	1,683	2,712	2,370	1,140
Twenty-fourth	417	508	971	725	422	404	2,673	1,997	3,452	2,563	1,177
Twenty-fifth	412	488	1,033	200	181	300	2,229	1,940	3,730	3,453	1,298
Twenty-sixth	681	782	1,068	164	273	387	2,544	3,421	5,571	2,869	1,171
Twenty-seventh	225	642	665	112	211	274	1,634	3,176	5,062	1,861	606
Twenty-eighth	327	635	752	136	235	277	1,533	3,552	5,706	2,036	688
Twenty-ninth	542	593	1,058	189	222	413	2,104	2,044	3,311	2,429	1,211
Thirtieth	461	687	1,049	176	279	377	1,712	2,813	4,307	2,235	1,066
Thirty-first	221	556	757	125	238	262	1,028	4,323	5,422	1,630	573
Thirty-second	269	644	985	142	281	397	1,536	4,073	5,680	2,092	665
Thirty-third	271	381	1,080	211	337	206	1,661	1,640	2,450	2,106	477
Totals	5,469	7,235	13,257	3,078	3,431	4,246	24,786	32,965	51,188	29,088	10,988

STATEMENT OF VOTES, PRIMARY MUNICIPAL ELECTION, SEPT. 28, 1915

SUPERVISORS.

Assembly District	Oscar Hocks	Jerry E. Hunsicker	J. D. Hynes	Wm. Stanley King	Manfred S. Kohlberg	John C. Kortick	L. Lacaze	L. Lagomarsino	Joseph F. Lahaney	Jas. Lynch	H. H. Markel
Twenty-first	2,162	823	1,201	191	697	1,337	661	353	2,367	685	140
Twenty-second	1,544	723	1,031	86	454	799	1,275	281	2,970	338	54
Twenty-third	2,634	1,289	1,986	217	882	1,592	939	635	2,838	792	139
Twenty-fourth	3,218	1,747	2,837	259	1,293	2,098	929	429	2,834	900	147
Twenty-fifth	3,932	1,950	2,846	278	1,508	2,726	1,032	417	3,787	935	198
Twenty-sixth	5,040	2,624	3,619	468	3,037	3,033	1,398	491	3,625	1,037	226
Twenty-seventh	4,289	1,718	2,479	143	2,559	1,988	657	244	2,114	625	195
Twenty-eighth	4,713	1,988	2,133	132	3,190	1,912	1,100	297	2,585	382	92
Twenty-ninth	3,198	1,400	2,232	170	1,238	1,963	854	360	2,626	542	83
Thirtieth	3,470	1,707	1,881	160	2,275	1,393	968	415	1,698	552	96
Thirty-first	4,782	1,012	1,470	190	4,071	1,212	1,031	303	1,138	307	67
Thirty-second	5,091	1,263	1,961	234	3,354	1,603	1,186	348	1,532	517	83
Thirty-third	2,430	660	1,016	154	955	963	1,395	815	1,305	390	70
Totals	46,503	18,904	26,692	2,682	25,513	22,619	13,425	5,388	31,419	8,002	1,590

STATEMENT OF VOTES, PRIMARY MUNICIPAL ELECTION, SEPT. 28, 1915

SUPERVISORS.

Assembly District	Jas. G. Martin	Jas. R. McElroy	P. McKay	James B. McSheehy	C. E. Moehrle	N. W. Mohr	Joseph Mulvihill	C. A. Murdock	Henry Payot	J. L. Polito	A. D. Porter	J. A. Ragsdale
Twenty-first	461	1,485	235	1,906	279	340	2,409	1,178	1,183	375	1,167	264
Twenty-second	303	1,014	142	1,483	237	251	2,080	770	735	327	452	163
Twenty-third	555	1,836	315	2,604	531	572	3,319	1,531	1,493	818	757	336
Twenty-fourth	800	2,057	346	3,688	588	514	4,081	2,188	2,233	844	1,034	273
Twenty-fifth	1,054	2,345	357	3,731	620	730	4,633	2,605	2,790	1,005	1,253	250
Twenty-sixth	1,550	2,353	402	3,644	985	948	5,188	4,621	4,931	1,796	1,436	342
Twenty-seventh	1,178	1,563	243	2,107	907	638	3,275	4,591	4,956	1,067	983	207
Twenty-eighth	999	1,572	396	1,976	2,060	673	3,096	5,110	5,476	966	1,219	244
Twenty-ninth	694	1,769	228	2,461	649	577	3,935	2,879	2,713	1,244	1,606	371
Thirtieth	977	1,427	201	1,432	596	556	2,628	3,101	3,419	746	1,181	324
Thirty-first	1,059	956	102	954	386	550	1,786	4,890	5,193	741	705	125
Thirty-second	1,102	1,125	118	1,187	412	654	2,539	4,627	5,063	782	1,086	134
Thirty-third	964	713	176	980	308	380	2,119	1,598	1,771	1,161	1,238	129
Totals	11,696	20,215	3,261	28,153	8,558	7,383	41,088	39,689	41,956	11,872	14,117	3,162

STATEMENT OF VOTES, PRIMARY MUNICIPAL ELECTION, SEPT. 28, 1915

SUPERVISORS.

Assembly District	H. F. Sahlender	F. J. Schmidt	M. J. Tierney	W. T. Troy	Alexander T. Vogelsang	W. E. Walker	Jas. S. Webster	Alex. Weiss	R. J. Welch	John Wobbe	Edw. I. Wolfe	Scattering
Twenty-first	326	356	219	131	1,652	382	766	404	2,175	117	2,478	1
Twenty-second	225	277	126	78	1,056	214	462	247	1,933	83	1,441	
Twenty-third	399	398	222	167	1,797	467	736	508	2,589	108	2,700	
Twenty-fourth	355	498	337	114	2,553	395	1,291	405	2,833	98	2,960	
Twenty-fifth	361	474	362	191	3,071	395	1,680	487	3,406	145	3,437	
Twenty-sixth	435	730	405	272	5,421	539	3,067	578	3,499	165	4,800	
Twenty-seventh	262	402	271	174	5,362	339	3,247	397	2,263	105	3,263	
Twenty-eighth	292	495	336	235	5,707	406	3,821	482	2,291	141	3,929	
Twenty-ninth	504	623	455	297	3,259	536	1,698	619	2,928	292	3,961	
Thirtieth	595	660	411	359	4,381	628	2,616	785	2,330	300	4,578	
Thirty-first	138	256	135	179	5,614	390	4,264	404	1,590	135	3,749	2
Thirty-second	151	244	181	210	5,386	238	3,466	285	1,774	82	3,870	
Thirty-third	120	212	147	138	1,956	167	997	184	1,551	72	2,480	
Totals	4,163	5,625	3,607	2,545	47,215	5,096	28,111	5,785	31,162	1,843	43,646	3

STATEMENT OF VOTES CAST IN THE CITY AND COUNTY OF SAN FRANCISCO, SPECIAL ELECTION, OCTOBER 26, 1915.

DIRECT PRIMARY LAW.

(Proposition No. 1)

Submitted to electors by referendum. Defines political parties; declares that office of United States senator, representative in congress, congressional party committeeman, delegate to national party convention and presidential elector shall be partisan, and all other offices non-partisan; regulates primary elections, nomination of candidates, form of ballot and voting at such elections, canvassing returns thereof, contests and fees; defines lawful campaign expenses and requires statement thereof; provides for election and organization of congressional party committees by political parties; provides penalties for violation of act, and repeals primary law of 1913.

District—	Total Vote	Yes	No
Twenty-first	2,690	3,313	1,295
Twenty-second	1,654	700	900
Twenty-third	2,820	1,324	1,380
Twenty-fourth	3,130	1,496	1,502
Twenty-fifth	3,832	1,621	2,082
Twenty-sixth	5,544	2,234	4,143
Twenty-seventh	4,348	1,952	2,282
Twenty-eighth	4,977	1,962	2,888
Twenty-ninth	3,710	1,559	2,008
Thirtieth	4,145	1,719	2,288
Thirty-first	5,053	1,628	3,323
Thirty-second	4,398	1,717	2,567
Thirty-third	2,583	888	1,593
Total	48,884	20,113	27,251

FORM OF BALLOT LAW.

(Proposition No. 2)

Submitted to electors by referendum. Provides for size, form and manner of printing ballots to be used at general elections, including gubernatorial and presidential elections, for the determination of the order in which state, district and county offices shall appear thereon, for the preparation of ballot titles for measures submitted to the electors, and for the manner in which such titles, offices and names of candidates therefor, and instructions to voters shall be printed upon such ballots.

District—	Yes	No
Twenty-first	1,236	1,260
Twenty-second	667	858
Twenty-third	1,234	1,347
Twenty-fourth	1,385	1,534
Twenty-fifth	1,494	2,057
Twenty-sixth	2,071	3,155
Twenty-seventh	1,826	2,274
Twenty-eighth	1,865	2,851
Twenty-ninth	1,467	1,981
Thirtieth	1,617	2,265
Thirty-first	1,538	3,261
Thirty-second	1,631	2,527
Thirty-third	836	1,553
Total	18,867	26,923

STATEMENT OF VOTES CAST, SPECIAL ELECTION, OCTOBER 26, 1915.

TERM OF SUPERIOR JUDGES.

(Proposition No. 3)

Senate Constitutional Amendment 2 adding section 6½ to article VI of constitution making term of office of superior judges twelve years except judges elected to fill unexpired terms. Declares them subject to recall, impeachment and removal provisions relating to judges.

District—	Yes	No
Twenty-first	634	1,830
Twenty-second	291	1,233
Twenty-third	555	2,072
Twenty-fourth	585	2,343
Twenty-fifth	685	2,922
Twenty-sixth	1,067	4,205
Twenty-seventh	1,043	3,115
Twenty-eighth	1,080	3,657
Twenty-ninth	702	2,744
Thirtieth	914	2,966
Thirty-first	1,380	3,457
Thirty-second	1,073	3,113
Thirty-third	554	1,854
Total	10,563	35,511

TERM OF JUDGES FILLING VACANCIES.

(Proposition No. 4)

State Constitutional Amendment 11 adding section 10½ to article VI of constitution providing that when term of office of judge of supreme court, district court of appeal or superior court expires on first Monday in January following general election person appointed by governor to fill vacancy therein shall hold for remainder of unexpired term for which such judge was elected or appointed.

District—	Yes	No
Twenty-first	1,113	1,239
Twenty-second	593	877
Twenty-third	1,068	1,455
Twenty-fourth	1,263	1,576
Twenty-fifth	1,530	1,930
Twenty-sixth	2,404	2,709
Twenty-seventh	2,097	1,908
Twenty-eighth	2,279	2,344
Twenty-ninth	1,499	1,858
Thirtieth	1,836	1,938
Thirty-first	2,627	2,149
Thirty-second	2,260	1,831
Thirty-third	993	1,329
Total	21,562	23,143

STATEMENT OF VOTES CAST, SPECIAL ELECTION, OCTOBER 26, 1915.

RURAL CREDITS.

(Proposition No. 5)

Senate Constitutional Amendment 17 amending section 31 of article IV of constitution. Present section unchanged but clause added authorizing legislature to provide land colonization system, establishing rural credits system in aid of agriculture, authorize issuance of bonds secured by first mortgages on farms, declaring same exempt from taxation and acceptable as security for public deposits, provide for state participation in rural credits system by establishing trust fund, authorize trustees thereof to issue bonds, guaranteed by state, upon security thereof, and deal generally in rural credit bonds. Authorizes legislature to effect purpose of section notwithstanding contrary constitutional provisions.

District—	Yes	No
Twenty-first	1,117	1,220
Twenty-second	558	897
Twenty-third	1,267	1,291
Twenty-fourth	1,336	1,502
Twenty-fifth	1,376	2,090
Twenty-sixth	1,945	3,154
Twenty-seventh	1,695	2,312
Twenty-eighth	1,727	2,915
Twenty-ninth	1,417	1,936
Thirtieth	1,629	2,143
Thirty-first	1,473	3,303
Thirty-second	1,622	2,439
Thirty-third	774	1,561
Total	17,936	26,763

DEPOSIT OF PUBLIC MONEYS.

(Proposition No. 6)

Senate Constitutional Amendment 19 amending section 16½ of article XI of constitution. Provides that state, county or municipal moneys may be deposited in bank under such conditions as may be provided by law adopted by initiative or by two-thirds vote of each house of legislature approved by governor and subject to referendum; continues in force laws now governing deposit of such moneys until same are changed as in this section authorized.

District—	Yes	No
Twenty-first	954	1,350
Twenty-second	475	944
Twenty-third	965	1,499
Twenty-fourth	1,044	1,715
Twenty-fifth	1,099	2,295
Twenty-sixth	1,610	3,414
Twenty-seventh	1,392	2,539
Twenty-eighth	1,391	3,146
Twenty-ninth	1,162	2,124
Thirtieth	1,344	2,350
Thirty-first	1,238	3,453
Thirty-second	1,348	2,630
Thirty-third	682	1,642
Total	14,704	29,101

STATEMENT OF VOTES CAST, SPECIAL ELECTION, OCTOBER 26, 1915.

INITIATIVE AND REFERENDUM.

(Proposition No. 7)

Senate Constitutional Amendment 22 amending section 1 of article IV of constitution. Present section unchanged except in following particulars; provides that no law creating a bonded indebtedness shall be enacted by initiative by electors without assent of two-thirds of qualified electors voting thereon; authorizes legislature to protect initiative and referendum petitions from fraud and misrepresentation.

District—	Yes	No
Twenty-first	1,036	1,269
Twenty-second	502	965
Twenty-third	984	1,493
Twenty-fourth	1,162	1,610
Twenty-fifth	1,377	2,021
Twenty-sixth	2,337	2,724
Twenty-seventh	2,038	1,934
Twenty-eighth	2,116	2,448
Twenty-ninth	1,402	1,902
Thirtieth	1,751	1,953
Thirty-first	2,489	2,240
Thirty-second	2,180	1,843
Thirty-third	928	1,403
Total	20,302	23,805

CONDEMNATION FOR PUBLIC PURPOSES.

(Proposition No. 8)

Senate Constitutional Amendment 27 adding section 20 to article XI of constitution. Authorizes state, county or municipality to condemn neighboring property within its limits additional to that actually intended for proposed improvement; declares same taken for public use; defines estate therein and manner of dealing therewith to further such improvement; permits county or municipality to condemn lands within ten miles beyond its boundaries for certain public purposes, with consent of other county or municipality as such lands lie therein; requires terms of condemnation, lease or disposal of such additional property to be prescribed by law.

District—	Yes	No
Twenty-first	993	1,324
Twenty-second	533	930
Twenty-third	1,070	1,428
Twenty-fourth	1,145	1,664
Twenty-fifth	1,218	2,221
Twenty-sixth	1,772	3,286
Twenty-seventh	1,514	2,456
Twenty-eighth	1,617	2,969
Twenty-ninth	1,210	2,107
Thirtieth	1,423	2,279
Thirty-first	1,333	3,417
Thirty-second	1,561	2,468
Thirty-third	695	1,618
Total	16,084	28,167

STATEMENT OF VOTES CAST, SPECIAL ELECTION, OCTOBER 26, 1915.

TAXATION.

(Proposition No. 9)

Senate Amendment 38. Amends constitution article XIII, sections 1 and 9, repeals sections 10 and 14 thereof. Declares legislature shall provide by general law for taxation, classify subjects thereof, designate classes wholly or partly taxable for state, county, municipal and district revenues, same class being uniformly taxed within territory of taxing authority; may make tax in lieu of other taxes or licenses; tax commission to administer state taxation. Defines exemptions. Declares completed assessments not affected by section. Continues in office present board of equalization members until January, 1919, and present duties thereof, and existing laws, until changed.

District—	Yes	No
Twenty-first	853	1,717
Twenty-second	300	1,174
Twenty-third	536	1,984
Twenty-fourth	535	2,264
Twenty-fifth	572	2,857
Twenty-sixth	711	4,349
Twenty-seventh	542	3,410
Twenty-eighth	544	4,035
Twenty-ninth	620	2,681
Thirtieth	633	3,059
Thirty-first	462	4,277
Thirty-second	592	3,402
Thirty-third	382	1,940
Total	7,012	37,149

EXEMPTING PROPERTY FROM TAXATION.

(Proposition No. 10)

Assembly Constitutional Amendment 15 amending section 1½ of article XIII of constitution. In addition to exemption of church property under present section, exempts from taxation all buildings and so much real property on which same are situated as may be required for convenient use and occupation of said buildings when same are used solely and exclusively for social purposes for the benefit of the organized religious body using said property for such purposes; provides that exemption shall not extend to building so used rented for religious purposes and rent received by owner therefor.

District—	Yes	No
Twenty-first	809	1,594
Twenty-second	395	1,122
Twenty-third	821	1,814
Twenty-fourth	861	2,034
Twenty-fifth	925	2,629
Twenty-sixth	1,291	3,898
Twenty-seventh	987	3,095
Twenty-eighth	958	3,743
Twenty-ninth	913	2,512
Thirtieth	936	2,871
Thirty-first	940	3,862
Thirty-second	976	3,116
Thirty-third	504	1,869
Total	34,159	14,126

STATEMENT OF VOTES CAST, SPECIAL ELECTION, OCTOBER 26, 1915.

COUNTY CHARTERS.

(Proposition No. 11)

Assembly Constitutional Amendment 34 amending section 7½ of article XI of constitution. Present section unchanged except as follows: such charters may provide for election, appointment and tenure of all county officers, number of justices, constables and officers of inferior courts, qualifications of all such officers, if appointed, assignment to new officers of certain functions of certain officers, delegation of executive committee of supervisors of certain administrative functions, and creation of additional boards and offices. Determines tenure of elective officers in office on approval of charter. Validates charters and amendments adopted under present section.

District—	Yes	No
Twenty-first	835	1,410
Twenty-second	435	997
Twenty-third	922	1,501
Twenty-fourth	975	1,747
Twenty-fifth	1,099	2,241
Twenty-sixth	1,539	3,314
Twenty-seventh	1,349	2,460
Twenty-eighth	1,362	3,047
Twenty-ninth	1,007	2,190
Thirtieth	1,239	2,340
Thirty-first	1,352	3,246
Thirty-second	1,366	2,472
Thirty-third	646	1,624
Total	14,126	28,589

STATEMENT OF VOTES POLLED AT THE GENERAL MUNICIPAL ELECTION HELD IN THE CITY AND COUNTY OF SAN FRANCISCO, NOVEMBER 9, 1915.

POLICE JUDGE.

Assembly District	Total Vote	Edwin G. Bath	Tim. I. Fitzpatrick
Twenty-first	4,589	1,778	2,591
Twenty-second	3,660	1,404	2,136
Twenty-third	5,347	2,549	2,603
Twenty-fourth	6,256	2,748	3,308
Twenty-fifth	7,413	3,047	4,096
Twenty-sixth	9,551	4,205	5,027
Twenty-seventh	7,152	3,464	3,449
Twenty-eighth	8,027	3,598	4,108
Twenty-ninth	6,609	2,965	3,423
Thirtieth	6,750	3,178	3,340
Thirty-first	7,108	2,856	3,862
Thirty-second	6,759	2,604	3,847
Thirty-third	4,076	1,317	2,577
Total	83,297	35,713	44,367

ASSESSOR.

Assembly District	John Ginty	Wm. H. McCarthy
Twenty-first	3,499	713
Twenty-second	2,622	723
Twenty-third	4,067	896
Twenty-fourth	4,774	1,039
Twenty-fifth	5,521	1,344
Twenty-sixth	7,589	1,367
Twenty-seventh	5,860	865
Twenty-eighth	6,640	950
Twenty-ninth	5,070	1,047
Thirtieth	5,341	925
Thirty-first	6,060	694
Thirty-second	5,582	847
Thirty-third	2,919	870
Totals	65,544	12,280

STATEMENT OF VOTES POLLED AT THE GENERAL MUNICIPAL ELECTION HELD IN THE CITY AND COUNTY OF SAN FRANCISCO, NOVEMBER 9, 1915.

SUPERVISORS.

Assembly District	E. J. Brandon	Wm. R. Hagerty	F. L. Hansen	J. Emmet Hayden	J. L. Herget	O. Hocks	J. D. Hynes	M. S. Kohlberg	John C. Kortickk
Twenty-first	2,647	2,427	1,639	1,504	2,589	1,562	2,149	932	2,275
Twenty-second	1,567	1,500	1,163	956	1,564	1,019	1,626	569	1,373
Twenty-third	2,898	2,513	1,728	1,524	3,043	1,676	2,916	1,017	2,714
Twenty-fourth	3,495	2,546	1,979	1,983	2,949	2,073	3,643	1,391	3,156
Twenty-fifth	3,847	2,634	2,312	2,499	3,193	2,652	3,557	1,665	4,008
Twenty-sixth	5,317	2,831	3,803	4,211	3,619	3,880	4,571	2,802	4,662
Twenty-seventh	4,200	1,589	3,319	4,006	1,987	3,470	2,909	2,593	3,463
Twenty-eighth	4,746	1,708	3,743	4,587	2,221	4,032	2,883	3,257	3,805
Twenty-ninth	3,701	2,657	2,455	2,318	3,125	2,490	3,496	1,523	3,257
Thirtieth	3,867	1,956	3,035	3,283	2,380	3,086	2,705	2,441	3,067
Thirty-first	4,006	1,016	4,337	4,599	1,670	4,182	1,882	3,881	2,652
Thirty-second	3,837	1,235	3,504	4,076	2,031	3,840	2,213	3,185	3,026
Thirty-third	2,038	1,366	1,593	1,815	1,960	1,852	1,668	1,245	1,866
Totals	46,166	25,978	34,610	37,361	13,233	35,814	36,218	26,501	39,324

STATEMENT OF VOTES POLLED AT THE GENERAL MUNICIPAL ELECTION HELD IN THE CITY AND COUNTY OF SAN FRANCISCO, NOVEMBER 9, 1915.

SUPERVISORS.

Assembly District	J. F. Lahaney	Jas. B. McSheehy	Joseph Mulvihill	Chas. A. Murdock	H. Payot	Alex. T. Vogelsang	Jas. S. Webster	R. J. Welch	E. I. Wolfe
Twenty-first	2,789	2,670	2,808	1,032	962	1,143	1,259	2,885	3,061
Twenty-second	2,947	1,833	2,182	582	540	676	758	2,355	1,958
Twenty-third	3,407	3,250	3,607	1,098	982	1,149	1,331	3,498	3,474
Twenty-fourth	3,490	3,909	3,993	1,567	1,552	1,706	1,786	3,700	3,674
Twenty-fifth	4,159	4,090	4,468	1,896	2,001	2,117	2,160	4,400	3,968
Twenty-sixth	4,388	4,263	5,084	3,398	3,530	3,832	3,654	4,350	5,123
Twenty-seventh	2,300	2,271	3,038	3,539	3,607	3,829	3,523	2,721	3,324
Twenty-eighth	3,723	2,263	3,218	3,712	3,936	4,333	4,041	2,933	3,989
Twenty-ninth	3,412	3,140	3,898	1,634	1,616	1,917	1,965	3,713	4,144
Thirtieth	2,559	2,318	3,045	2,426	2,612	2,889	2,615	2,722	4,054
Thirty-first	1,573	1,414	2,012	4,121	4,297	4,390	4,016	1,749	3,094
Thirty-second	1,879	1,497	2,440	3,546	3,738	3,914	3,364	2,012	2,870
Thirty-third	1,959	1,474	2,224	1,445	1,522	1,604	1,404	2,032	2,377
Totals	37,585	34,392	42,017	29,996	30,895	33,499	31,876	39,070	45,110

VOTES POLLED FOR DELEGATES TO THE REPUBLICAN NATIONAL CONVENTION AT ELECTION HELD IN THE CITY AND COUNTY OF SAN FRANCISCO, STATE OF CALIFORNIA, MAY 2, 1916.

Assembly District	Total of all Parties	Total Republican	R. N. Bulla	Alden Anderson	Harriet W. R. Strong	Paul J. McCormick	J. A. Britton	T. J. Lennon	Guy C. Earl
Twenty-first	2,805	1,806	888	913	809	875	898	869	840
Twenty-second	1,523	1,050	522	529	483	515	529	521	467
Twenty-third	2,400	1,557	765	777	759	757	781	756	736
Twenty-fourth	2,861	1,843	908	946	861	902	942	885	861
Twenty-fifth	3,675	2,542	1,107	1,177	1,053	1,076	1,172	1,080	1,057
Twenty-sixth	5,082	3,612	1,536	1,596	1,450	1,496	1,614	1,526	1,456
Twenty-seventh	4,266	2,957	1,161	1,257	1,116	1,132	1,291	1,171	1,146
Twenty-eighth	4,822	3,623	1,388	1,480	1,322	1,331	1,489	1,365	1,318
Twenty-ninth	3,546	2,397	1,020	1,050	956	1,010	1,069	1,023	949
Thirtieth	4,242	3,020	1,195	1,237	1,106	1,144	1,233	1,196	1,149
Thirty-first	4,852	3,717	1,160	1,277	1,099	1,103	1,296	1,141	1,137
Thirty-second	5,333	3,907	1,418	1,510	1,342	1,377	1,552	1,409	1,380
Thirty-third	2,743	2,162	891	897	809	832	919	842	820
Total	48,150	34,193	13,959	14,646	13,165	13,550	14,785	13,784	13,316

VOTES POLLED FOR DELEGATES TO THE REPUBLICAN NATIONAL CONVENTION AT ELECTION HELD IN THE CITY AND COUNTY OF SAN FRANCISCO, STATE OF CALIFORNIA, MAY 2, 1916.

Assembly District	Moses A. Gunst	G. W. Peltier	Marguerite Ogden	Raymond Benjamin	H. L. Moody	Jas. Madison	T. L. Chamberlain	F. E. Ellis	Jas. E. Power	Egbert J. Gates	L. J. Flaherty
Twenty-first	897	824	808	857	852	879	851	845	911	835	874
Twenty-second	527	473	465	500	473	506	494	492	542	477	527
Twenty-third	791	699	702	739	729	752	733	720	812	715	777
Twenty-fourth	967	831	813	894	878	915	870	878	930	841	896
Twenty-fifth	1,177	1,038	1,012	1,090	1,062	1,100	1,090	1,070	1,128	1,040	1,086
Twenty-sixth	1,628	1,424	1,373	1,496	1,483	1,534	1,515	1,481	1,543	1,460	1,452
Twenty-seventh	1,278	1,111	1,113	1,187	1,142	1,190	1,188	1,147	1,168	1,133	1,086
Twenty-eighth	1,525	1,294	1,251	1,394	1,316	1,368	1,358	1,348	1,371	1,310	1,228
Twenty-ninth	1,062	960	916	1,006	972	1,020	998	991	1,054	966	1,010
Thirtieth	1,286	1,099	1,041	1,181	1,125	1,169	1,142	1,140	1,153	1,111	1,074
Thirty-first	1,318	1,099	1,068	1,186	1,106	1,173	1,136	1,122	1,145	1,096	1,018
Thirty-second	1,546	1,347	1,325	1,423	1,361	1,402	1,385	1,384	1,393	1,363	1,299
Thirty-third	886	802	737	852	804	842	810	822	842	799	794
Totals	14,888	13,001	12,624	13,805	13,303	13,850	13,570	13,440	13,992	13,146	13,121

VOTES POLLED FOR DELEGATES TO THE REPUBLICAN NATIONAL CONVENTION AT ELECTION HELD IN THE CITY AND COUNTY OF SAN FRANCISCO, STATE OF CALIFORNIA, MAY 2, 1916.

Assembly District	Miguel Estudillo	T. S. Montgomery	Patrick M. Longan	Rudolph J. Taussig	Thos. Hughes	Knox Boude	Joe S. Crail	D. C. Collier	Walter Bordwell	Mrs. Olive C. Cole	Mrs. Abbie E. Krebs
Twenty-first	767	875	806	861	834	742	758	781	918	812	814
Twenty-second	435	484	468	512	488	432	448	458	528	476	456
Twenty-third	651	727	692	744	717	639	666	681	792	695	680
Twenty-fourth	741	856	810	918	830	777	763	826	935	849	826
Twenty-fifth	940	1,062	987	1,135	1,044	946	929	1,012	1,435	1,293	1,289
Twenty-sixth	1,318	1,491	1,351	1,577	1,435	1,302	1,318	1,385	2,076	1,872	1,880
Twenty-seventh	1,030	1,150	1,048	1,254	1,151	1,029	1,023	1,095	1,796	1,625	1,645
Twenty-eighth	1,194	1,340	1,199	1,437	1,272	1,183	1,168	1,280	2,235	2,019	2,053
Twenty-ninth	891	991	944	1,064	991	861	880	931	1,377	1,197	1,183
Thirtieth	975	1,131	1,011	1,199	1,089	982	979	1,055	1,825	1,614	1,627
Thirty-first	988	1,109	980	1,301	1,047	963	956	1,048	2,557	2,359	2,397
Thirty-second	1,218	1,401	1,241	1,494	1,363	1,203	1,187	1,303	2,489	2,272	2,283
Thirty-third	780	816	760	877	791	730	733	768	1,271	1,081	1,084
Totals	11,928	13.433	12,297	14,373	13,052	11,789	11,808	12,623	20,234	18,164	18,217

VOTES POLLED FOR DELEGATES TO THE REPUBLICAN NATIONAL CONVENTION AT ELECTION HELD IN THE CITY AND COUNTY OF SAN FRANCISCO, STATE OF CALIFORNIA, MAY 2, 1916.

Assembly District	J. O. Hayes	Amiel Hochheimer	Presley I. Lancester	Luke McDonald	Chas. E. Clinch	Ephraim Light	Richard R. Veale	Albert E. Castle	Francis V. Keesling	J. C. Berendsen	Alex. Russell
Twenty-first	912	832	851	913	851	837	841	897	909	827	903
Twenty-second	550	482	490	528	495	459	482	486	539	464	508
Twenty-third	783	719	706	749	708	693	737	743	781	715	758
Twenty-fourth	958	871	885	916	863	862	899	910	970	872	910
Twenty-fifth	1,440	1,324	1,370	1,391	1,333	1,309	1,374	1,398	1,490	1,321	1,393
Twenty-sixth	2,086	1,969	1,972	2,008	1,954	1,915	2,002	1,998	2,140	1,955	2,030
Twenty-seventh	1,781	1,682	1,736	1,753	1,682	1,688	1,749	1,779	1,868	1,695	1,818
Twenty-eighth	2,231	2,119	2,118	2,161	2,098	2,084	2,135	2,217	2,342	2,093	2,204
Twenty-ninth	1,375	1,241	1,291	1,321	1,286	1,263	1,294	1,308	1,408	1,264	1,329
Thirtieth	1,799	1,722	1,728	1,756	1,705	1,701	1,722	1,793	1,847	1,699	1,796
Thirty-first	2,568	2,534	2,535	2,525	2,521	2,491	2,538	2,656	2,686	2,491	2,609
Thirty-second	2,469	2,370	2,413	2,399	2,363	2,330	2,415	2,502	2,604	2,323	2,504
Thirty-third	1,229	1,175	1,203	1,205	1,178	1,165	1,209	1,272	1,271	1,168	1,241
Totals	20,181	19,040	19,298	19,625	19,037	18,797	19,397	19,959	20,855	18,887	20,003

VOTES POLLED FOR DELEGATES TO THE REPUBLICAN NATIONAL CONVENTION AT ELECTION HELD IN THE CITY AND COUNTY OF SAN FRANCISCO, STATE OF CALIFORNIA, MAY 2, 1916.

Assembly District	Peter J. Crosby	Joseph F. Carlston	Frank A. Cressey, Jr.	John Frank Gibson	Wm. H. Crocker	Willis S. Clayton	Lewis L. Lostutter	Wm. C. Mushet	John G. Mott	Eugene W. Britt	John S. Akerman	Chas. C. Chapman
Twenty-first	857	863	826	862	915	848	806	791	836	870	859	882
Twenty-second	499	478	477	477	536	468	452	449	479	485	482	514
Twenty-third	727	688	713	697	795	701	692	656	710	739	732	764
Twenty-fourth	854	863	846	880	980	854	831	808	824	879	910	927
Twenty-fifth	1,320	1,339	1,312	1,348	1,453	1,335	1,270	1,278	1,310	1,358	1,360	1,426
Twenty-sixth	1,933	1,947	1,951	1,964	2,191	1,962	1,908	1,911	1,948	1,998	2,014	2,031
Twenty-seventh	1,682	1,693	1,712	1,706	1,907	1,724	1,629	1,635	1,698	1,710	1,745	1,780
Twenty-eighth	2,092	2,107	2,103	2,124	2,369	2,114	2,040	2,028	2,123	2,129	2,177	2,229
Twenty-ninth	1,286	1,267	1,272	1,281	1,397	1,283	1,223	1,225	1,254	1,298	1,309	1,355
Thirtieth	1,701	1,699	1,715	1,711	1,901	1,705	1,649	1,651	1,693	1,721	1,737	1,808
Thirty-first	2,469	2,488	2,526	2,513	2,775	2,521	2,454	2,448	2,509	2,540	2,562	2,587
Thirty-second	2,376	2,376	2,433	2,394	2,682	2,398	2,307	2,296	2,394	2,401	2,440	2,480
Thirty-third	1,188	1,187	1,184	1,189	1,294	1,179	1,147	1,146	1,191	1,201	1,168	1,239
Totals	18,984	18,995	19,070	19,146	21,195	19,092	18,408	18,322	18,969	19,329	19,495	20,022

VOTES POLLED FOR DELEGATES TO THE DEMOCRATIC NATIONAL CONVENTION AT ELECTION HELD IN THE CITY AND COUNTY OF SAN FRANCISCO, STATE OF CALIFORNIA, MAY 2, 1916.

Assembly District	Total Democratic	Jas. D. Phelan	John E. Raker	Denver S. Church	Wm. Kettner	Claude F. Purkitt	Wm. Maddux	Jno. B. Curtin	Chas. L. Culbert
Twenty-first	742	735	725	720	722	720	717	723	719
Twenty-second	346	346	334	331	331	329	329	336	328
Twenty-third	628	614	605	606	609	601	600	604	593
Twenty-fourth	768	758	746	744	745	744	743	750	742
Twenty-fifth	860	842	829	829	831	821	821	817	816
Twenty-sixth	1,191	1,175	1,160	1,156	1,159	1,150	1,151	1,160	1,148
Twenty-seventh	970	957	951	944	945	943	946	943	935
Twenty-eighth	911	899	892	891	889	889	888	885	882
Twenty-ninth	919	915	897	890	892	884	891	899	889
Thirtieth	944	932	929	927	927	920	916	928	917
Thirty-first	816	798	801	799	800	795	800	793	792
Thirty-second	1,110	1,089	1,089	1,087	1,086	1,083	1,090	1,081	1,073
Thirty-third	411	405	404	401	401	401	401	400	399
Totals	10,616	10,465	10,362	10,325	10,337	10,280	10,293	10,319	10,233

VOTES POLLED FOR DELEGATES TO THE DEMOCRATIC NATIONAL CONVENTION AT ELECTION HELD IN THE CITY AND COUNTY OF SAN FRANCISCO, STATE OF CALIFORNIA, MAY 2, 1916.

Assembly District	Geo. E. Catts	George Vice	Emanuel S. Heller	Frank J. Hennessy	Thos. W. Hickey	Nora F. Rasmussen	Robert M. Fitzgerald	Wm. B. Bunker	O. L. Everts
Twenty-first	718	716	720	718	721	710	721	719	715
Twenty-second	332	327	332	334	329	322	332	331	324
Twenty-third	603	593	608	597	600	599	600	601	598
Twenty-fourth	745	744	744	751	742	732	747	736	735
Twenty-fifth	819	821	822	824	820	814	830	822	815
Twenty-sixth	1,149	1,145	1,151	1,154	1,157	1,134	1,158	1,148	1,145
Twenty-seventh	943	944	947	945	942	925	944	936	938
Twenty-eighth	886	886	884	888	875	870	885	887	882
Twenty-ninth	888	886	890	892	891	874	896	885	885
Thirtieth	923	920	924	924	918	896	920	921	917
Thirty-first	794	799	795	786	792	783	790	796	795
Thirty-second	1,081	1,077	1,084	1,075	1,075	1,078	1,070	1,084	1,081
Thirty-third	399	397	400	400	398	394	401	399	399
Totals	10,280	10,255	10,301	10,288	10,260	10,131	10,294	10,265	10,229

VOTES POLLED FOR DELEGATES TO THE DEMOCRATIC NATIONAL CONVENTION AT ELECTION HELD IN THE CITY AND COUNTY OF SAN FRANCISCO, STATE OF CALIFORNIA, MAY 2, 1916.

Assembly District	Thomas J. Wisecarver	Wm. T. Jeter	Franklin Swart	Mary E. Foy	Dr. S. Y. Van Meter	Mrs. W. C. Tyler	Dr. R. W. Hill	Mrs. Bird D. Hobdy	Wm. J. Curtis
Tewnty-first	716	716	719	711	719	710	719	710	723
Twenty-second	328	326	328	323	326	320	330	318	328
Twenty-third	596	597	598	598	600	592	604	590	610
Twenty-fourth	739	740	739	733	738	732	743	728	746
Twenty-fifth	819	820	825	818	823	817	823	810	831
Twenty-sixth	1,138	1,147	1,143	1,131	1,147	1,127	1,154	1,126	1,157
Twenty-seventh	938	940	939	924	934	923	934	921	946
Twenty-eighth	884	884	882	872	881	870	885	866	887
Twenty-ninth	883	882	885	882	882	874	884	873	890
Thirtieth	920	918	914	897	916	900	922	889	917
Thirty-first	792	794	794	781	790	784	793	781	795
Thirty-second	1,081	1,086	1,085	1,076	1,085	1,070	1,085	1,070	1,092
Thirty-third	395	395	399	391	395	388	401	389	400
Totals	10,229	10,245	10,250	10,137	10,236	10,107	10,277	10,071	10,322

VOTES POLLED FOR DELEGATES TO THE PROGRESSIVE NATIONAL CONVENTION AT ELECTION HELD IN THE CITY AND COUNTY OF SAN FRANCISCO, STATE OF CALIFORNIA, MAY 2, 1916.

Assembly District	Total Progressive	Ralph W. Bull	Thomas P. Boyd	George A. Legg	S. G. Beach	Clinton L. White	W. H. Briggs	Rose Steinhart	Percy V. Long	Alfred Greenebaum	Thos. W. Nowlin
Twenty-first	118	114	110	111	111	113	106	108	108	108	111
Twenty-second	61	57	59	55	55	56	55	56	58	55	57
Twenty-third	120	109	106	104	106	107	107	108	110	104	107
Twenty-fourth	144	134	129	131	134	137	132	133	134	135	132
Twenty-fifth	145	138	135	133	132	133	133	134	140	130	135
Twenty-sixth	168	162	158	159	159	159	159	156	158	157	157
Twenty-seventh	182	170	167	168	170	172	166	164	178	166	167
Twenty-eighth	166	159	147	154	156	157	156	146	154	149	151
Twenty-ninth	136	130	129	127	126	128	127	123	127	121	124
Thirtieth	178	169	164	164	162	168	162	165	166	160	162
Thirty-first	134	133	130	129	128	129	128	124	133	132	128
Thirty-second	171	154	156	154	149	156	152	148	164	156	155
Thirty-third	77	73	70	73	72	73	72	70	71	71	71
Totals	1,800	1,702	1,660	1,662	1,660	1,688	1,655	1,635	1,701	1,644	1,657

VOTES POLLED FOR DELEGATES TO THE PROGRESSIVE NATIONAL CONVENTION AT ELECTION HELD IN THE CITY AND COUNTY OF SAN FRANCISCO, STATE OF CALIFORNIA, MAY 2, 1916.

Assembly District	Eustace Cullinan	Arthur Arlett	John W. Stetson	T. C. Hocking	Charles A. Whitmore	W. F. Chandler	A. J. Crites	Lillien J. Martin	George W. Stone	J. H. Braly
Twenty-first	107	107	111	111	110	109	109	110	111	108
Twenty-second	53	53	55	53	53	55	52	55	53	54
Twenty-third	104	104	104	103	105	103	107	105	103	104
Twenty-fourth	129	134	133	136	135	135	134	133	133	131
Twenty-fifth	131	132	134	137	133	134	133	136	133	132
Twenty-sixth	158	158	163	160	159	159	157	158	159	157
Twenty-seventh	163	170	167	165	166	165	163	166	165	164
Twenty-eighth	144	156	156	153	157	158	153	149	156	152
Twenty-ninth	127	124	130	123	128	126	124	125	126	123
Thirtieth	160	163	170	160	163	167	158	166	167	164
Thirty-first	122	129	128	125	127	132	129	122	130	127
Thirty-second	155	153	157	152	156	152	149	153	150	152
Thirty-third	70	72	72	70	71	71	71	71	72	72
Totals	1,623	1,655	1,680	1,648	1,663	1,666	1,639	1,649	1,658	1,640

VOTES POLLED FOR DELEGATES TO THE PROGRESSIVE NATIONAL CONVENTION AT ELECTION HELD IN THE CITY AND COUNTY OF SAN FRANCISCO, STATE OF CALIFORNIA, MAY 2, 1916.

Assembly District	B. F. Tucker	Geo. D. Jennings	C. W. Rhodes	Mary A. Scherfee	Dell A. Schweitzer	Lou M. Myers	R. A. Collins	F. F. Grant	S. J. Jackman	Thos. A. Ogden
Twenty-first	107	107	105	98	100	107	99	105	100	100
Twenty-second	52	52	51	51	51	50	46	48	44	46
Twenty-third	105	106	99	99	100	96	95	97	93	94
Twenty-fourth	130	130	131	127	130	132	118	126	124	123
Twenty-fifth	133	134	134	128	130	129	129	124	121	123
Twenty-sixth	160	159	154	149	153	153	150	156	152	153
Twenty-seventh	162	166	158	151	152	152	139	141	137	141
Twenty-eighth	154	154	153	143	143	146	141	150	148	151
Twenty-ninth	124	127	127	118	119	119	121	121	120	120
Thirtieth	160	160	156	156	160	158	151	154	152	154
Thirty-first	130	130	130	122	122	120	117	120	121	120
Thirty-second	150	149	146	142	147	146	138	142	136	141
Thirty-third	70	72	70	68	68	68	67	69	69	69
Totals	1,637	1,646	1,614	1,552	1,575	1,576	1,511	1,553	1,517	1,535

STATEMENT OF REGISTRATION AND VOTE ON ELECTION HELD SEPTEMBER 28, 1915.

(Male and Female)

Assembly District	Total Registration	Total Males Registered	Total Females Registered	Total Males Voted	Total Females Voted	Total Males and Females Voted
Twenty-first	12,287	10,029	2,258	5,447	1,265	6,712
Twenty-second	6,555	4,453	2,102	3,425	1,453	4,878
Twenty-third	10,603	7,011	3,592	5,429	2,503	7,932
Twenty-fourth	12,272	7,744	4,528	6,012	3,106	9,118
Twenty-fifth	14,449	9,059	5,390	6,543	3,690	10,233
Twenty-sixth	19,151	11,362	7,789	8,195	5,170	13,365
Twenty-seventh	14,263	8,224	6,039	6,124	3,927	10,051
Twenty-eighth	15,097	8,709	6,388	6,628	4,358	10,986
Twenty-ninth	15,029	9,748	5,281	6,536	3,174	9,710
Thirtieth	16,332	10,413	5,919	6,521	3,373	9,894
Thirty-first	14,046	7,686	6,360	5,576	4,028	9,604
Thirty-second	18,377	10,519	7,858	6,296	4,005	10,301
Thirty-third	11,131	8,065	3,066	4,912	1,409	6,321
Totals	179,592	113,022	66,570	77,644	41,461	119,105

STATEMENT OF REGISTRATION AND VOTE ON ELECTION HELD OCTOBER 26, 1915.

(Male and Female)

Assembly District—	Total Registration	Total Male Registration	Total Female Registration	Total Males Voted	Total Females Voted	Total Male and Females Voted
Twenty-first	12,294	10,031	2,263	2,330	360	2,690
Twenty-second	6,557	4,451	2,106	1,339	315	1,654
Twenty-third	10,620	7,025	3,595	2,227	593	2,820
Twenty-fourth	12,279	7,750	4,529	2,390	740	3,130
Twenty-fifth	14,451	9,049	5,402	2,874	958	3,832
Twenty-sixth	19,159	11,360	7,799	3,984	1,560	5,544
Twenty-seventh	14,281	8,231	6,050	3,087	1,261	4,348
Twenty-eighth	15,126	8,724	6,402	3,479	1,498	4,977
Twenty-ninth	15,037	9,752	5,285	2,844	866	3,710
Thirtieth	16,354	10,423	5,931	3,048	1,097	4,145
Thirty-first	14,057	7,683	6,374	3,211	1,842	5,053
Thirty-second	18,383	10,508	7,875	3,075	1,323	4,398
Thirty-third	11,137	8,067	3,070	2,181	402	2,583
Totals	179,735	113,054	66,681	36,069	12,815	48,884

STATEMENT OF REGISTRATION AND VOTE ON ELECTION HELD NOVEMBER 9, 1915.

(Male and Female)

Assembly District—	Total Registration	Total Male Registration	Total Female Registration	Total Males Voted	Total Females Voted	Total Male and Females Voted
Twenty-first	12,328	10,059	2,269	3,874	715	4,589
Twentysecond	6,565	4,460	2,105	2,711	949	3,660
Twenty-third	10,634	7,033	3,601	3,918	1,429	5,347
Twenty-fourth	12,296	7,764	4,532	4,394	1,862	6,256
Twenty-fifth	14,486	9,070	5,416	5,059	2,354	7,413
Twenty-sixth	19,204	11,379	7,825	6,254	3,297	9,551
Twenty-seventh	14,331	8,259	6,072	4,665	2,487	7,152
Twenty-eighth	15,195	8,751	6,444	5,232	2,795	8,027
Twenty-ninth	15,085	9,781	5,304	4,756	1,853	6,609
Thirtieth	16,389	10,452	5,937	4,684	2,066	6,750
Thirty-first	14,077	7,693	6,384	4,260	2,848	7,108
Thirty-second	18,439	10,525	7,914	4,377	2,382	6,759
Thirty-third	11,175	8,094	3,081	3,291	785	4,076
Totals	180,204	113,320	66,884	57,475	25,822	83,297

REGISTRATION STATISTICS—APRIL 1, 1916.

Assembly District—	Total Registration	Males	Females
Twenty-first	7,155	5,812	1,343
Twenty-second	4,338	3,073	1,265
Twenty-third	6,844	4,731	2,113
Twenty-fourth	8,063	5,404	2,659
Twenty-fifth	9,501	6,240	3,261
Twenty-sixth	12,767	7,946	4,821
Twenty-seventh	10,277	6,112	4,165
Twenty-eighth	11,910	6,983	4,927
Twenty-ninth	9,757	6,553	3,204
Thirtieth	10,379	6,776	3,603
Thirty-first	9,790	5,516	4,274
Thirty-second	11,890	7,206	4,684
Thirty-third	6,256	4,868	1,388
Grand Totals	118,927	77,220	41,707

POLITICAL AFFILIATIONS APRIL 1, 1916.

Assembly District—	Republican	Democrats	Socialist	Progressive	Declined	Union Labor	Proh.	Soc.-Lab.
Twenty-first	2,966	1,308	191	245	2,384	37	24	
Twenty-second	1,987	679	112	155	1,367	29	9	
Twenty-third	2,892	1,177	268	251	2,194	38	24	
Twenty-fourth	3,249	1,530	204	318	2,703	42	17	
Twenty-fifth	4,237	1,602	154	290	3,148	35	35	1
Twenty-sixth	5,813	2,283	206	446	3,925	31	63	
Twenty-seventh	4,833	1,878	117	419	2,988	12	30	
Twenty-eighth	5,919	1,670	139	426	3,718	14	24	
Twenty-ninth	4,238	1,868	244	360	2,987	29	31	
Thirtieth	4,741	1,855	192	296	3,259	14	22	
Thirty-first	5,230	1,401	86	294	2,746	10	23	1
Thirty-second	5,701	1,841	115	376	3,825	13	19	
Thirty-third	3,495	746	54	132	1,808	8	13	1
Totals	55,301	19,838	2,082	4,008	37,052	312	334	3

POLITICAL AFFILIATIONS JUNE 5, 1916.

Assembly District—	Total Registration	Republican	Democratic	Socialist	Progressive	Declined	U.-L.	Proh.
Twenty-first	7,389	3,098	1,368	211	248	2,402	37	25
Twenty-second	4,432	2,046	691	118	161	1,377	30	9
Twenty-third	7,096	3,041	1,222	286	256	2,226	42	24
Twenty-fourth	8,244	3,339	1,575	212	328	2,731	41	17
Twenty-fifth	9,680	4,363	1,638	161	295	3,151	37	35
Twenty-sixth	13,064	6,006	2,344	214	460	3,940	32	67
Twenty-seventh	10,493	4,995	1,918	119	423	2,994	14	30
Twenty-eighth	12,165	6,111	1,714	143	433	3,726	14	25
Twenty-ninth	9,966	4,370	1,918	253	366	2,997	30	32
Thirtieth	10,626	4,897	1,896	200	308	3,290	13	22
Thirty-first	9,932	5,339	1,436	88	298	2,735	11	23
Thirty-second	12,224	5,937	1,925	119	390	3,821	13	19
Thirty-third	6,464	3,669	777	58	133	1,808	8	13
Totals	121,775	57,211	20,422	2,182	4,099	37,198	322	341

TABLE SHOWING DATE OF ELECTIONS, NUMBER OF PRECINCTS, TOTAL OF EACH REGISTRATION AND VOTE CAST AT EACH ELECTION SINCE THE ADOPTION OF THE "ACT TO REGULATE THE REGISTRATION OF VOTERS AND SECURE THE PURITY OF ELECTIONS", APPROVED MARCH 18, 1878.

Date of Election	Number Precincts	Registration	Votes Polled	Percentage	Election
June 19, 1878	136		27,098		Delegates to Constitutional Convention.
May 7, 1879	136		38,034		Adoption New Constitution.
September 3, 1879	136	44,764	41,575	93	General.
March 30, 1880	136		30,877	69	Freeholders.
September 8, 1880	136		23,398	52	Charter.
November 2, 1880	152	43,775	41,292	94	General Presidential.
September 7, 1881	152		33,216	76	Municipal
November 7, 1882	152	42,135	39,102	93	General.
March 3, 1883	152		18,764	45	Charter.
March 18, 1884			2,655		Assemblyman.
November 4, 1884	164	50,542	47,535	94	General Presidential.
November 2, 1886	176	48,792	45,716	93	General.
April 12, 1887	176		25,959	53	Amendment and Charter.
November 6, 1888	176	58,549	55,313	94	General Presidential.
November 4, 1890	310	59,770	55,565	89	General.
November 8, 1892	275	67,849	60,790	89	General Presidential.
November 6, 1894	293	68,039	61,548	90	General.
November 3, 1896	313	72,992	61,820	85	General Presidential.
December 27, 1897	94	72,782	26,202	36	Freeholders.
May 26, 1898	94	73,140	26,969	35	Charter.
November 8, 1898	303	62,965	55,275	88	General.
August 8, 1899	106	62,410	32,521	52	Primary.
November 7, 1899	303	71,786	51,965	72	Municipal.
December 27, 1899	73	70,681	29,972	42	Bond—Parks.
December 29, 1899	73	70,726	22,331	32	Bond—Sewers, Eetc.
November 6, 1900	303	73,633	65,161	88	General Presidential.
August 13, 1901	106	76,192	22,939	30	Primary.

TABLE SHOWING DATE OF ELECTIONS, NUMBER OF PRECINCTS, TOTAL OF EACH REGISTRATION AND VOTE CAST AT EACH ELECTION SINCE THE ADOPTION OF THE "ACT TO REGULATE THE REGISTRATION OF VOTERS AND SECURE THE PURITY OF ELECTIONS", APPROVED MARCH 18, 1878.

Date of Election	Number Precincts	Registration	Votes Polled	Percentage	Election
November 5, 1901	303	77,890	53,746	69	Municipal.
August 12, 1902	113	51,726	28,697	55	Primary.
November 4, 1902	320	70,716	61,091	86	General Gubernatorial.
December 2, 1902	113	70,764	26,612	37	Bonds, Geary Street Railway.
December 4, 1902	113		14,371	20	Amendments to Charter.
August 11, 1903	120	73,280	26,039	35	Primary.
September 29, 1903	120	73,540	27,308	36	Bond—Sewers, Etc.
October 8, 1903	120	73,702	25,276	34	Bonds—Street Railway.
November 3, 1903	320	79,684	59,824	75	Municipal.
May 3, 1904	120	32,721	9,384	29	Primary.
August 9, 1904	120	50,708	18,141	36	Primary.
November 8, 1904*	284	81,576	67,770	83	General Presidential.
November 7, 1905	198	97,670	71,033	73	Municipal.
August 14, 1906	74	22,026	10,824	49	Primary.
November 6, 1906*	129	51,633	38,564	75	General Gubernatorial.
August 13, 1907	74	60,469	22,851	38	Primary.
November 5, 1907	273	77,601	58,086	75	Municipal.
May 5, 1908	125	36,564	24,178	66	Primary.
May 11, 1908	125		23,560	65	Bonds.
August 11, 1908	135	55,437	22,698	41	Primary.
November 3, 1908	300	75,388	61,625	82	General Presidential.
November 12, 1908	135	75,467	41,137	54	Bond—Water Supply, Etc.
June 22, 1909	135	75,679	24,058	32	Bonds—Schools, Etc.
June 24, 1909	135	75,808	22,272	29	Bond—Geary Street Railway.
August 17, 1909	149	84,571	38,317	45	Primary.
November 2, 1909	301	90,790	65,065	71½	Municipal.

* Voting Machines were used.

December 30, 1909	300	90,957	43,189	47½	Bond—Geary Street Railway.
January 14, 1910	300	91,026	35,015	38½	Bond—Spring Valley.
August 16, 1910	215	67,513	47,532	70	Primary.
November 8, 1910	352	75,828	59,724	79	General Gubernatorial.
November 15, 1910	352	75,828	45,889	60½	Charter Amendments.
September 26, 1911	356	101,955	79,019	77½	Municipal Primary.
October 10, 1911	356	101,894	59,266	58	Constitutional Amendments.
November 7, 1911	356	102,196	69,689	68½	General Municipal.
March 28, 1912†	356	115,427	49,498	43	‡Civic Center Bonds.
March 29, 1912†	356	115,445	32,058	27½	Home Telephone.
May 14, 1912†	356	136,490	62,407	45½	Presidential Primary.
September 3, 1912	464	119,933	65,948	55½	General State Primary.
November 5, 1912	657	134,701	105,646	78½	General State Presidential.
December 10, 1912	479	136,914	83,850	61	Charter Amendments (37).
December 20, 1912	479	136,914	47,484	35	Bond—General Utilities.
April 22, 1913	479	137,718	62,876	45½	Recall-Initiative-Referendum.
August 26, 1913	467	141,254	65,522	46½	Bond—Municipal Railway.
September 30, 1913	673	143,075	65,905	46	Primary.
November 11, 1913	673	146,462	72,551	49½	Municipal.
August 25, 1914	403	147,130	97,417	66	Primary—State.
October 8, 1914	43	16,090	8,944	55½	Recall—Grant.
November 3, 1914	525	161,846	134,492	83	General—State.
March 16, 1915	395	162,137	55,611	34	Charter Amendments (36).
April 20, 1915	401	162,812	73,583	45	Bond—Spring Valley.
September 28, 1915	651	179,592	119,105	66	Municipal Primary.
October 26, 1915	651	180,204	48,884	27	Special—State.
November 9, 1915	651	180,204	83,297	46	General Municipal.
May 2, 1916	370	118,927	48,150		Presidential Primary.

† Includes carried-over registration of 1911.

‡ First election at which women voted.

STATE ELECTIONS.

PRIMARY.

Year	Month	Registration	Vote Polled	Number Precincts
1914	Aug. 25	147,130	97,417	403
1912	Sept. 3	119,933	65,948	464
1910	Aug. 16	67,513	47,532	215
1908	Aug. 11	55,437	22,698	135
1906	Aug. 14	22,026	10,824	74
1904	Aug. 9	50,708	18,141	120
1902	Aug. 25	51,726	28,697	113

GENERAL.

Year	Month	Registration	Vote Polled	Number Precincts	Governor
1914	Nov. 3	161,846	134,492	525	Hiram W. Johnson.
1912	Nov. 5	134,701	105,646	657	
1910	Nov. 8	75,828	59,724	352	Hiram W. Johnson.
1908	Nov. 3	75,388	61,625	300	
1906	Nov. 6	51,633	38,564	129	James N. Gillett.
1904	Nov. 8	81,576	67,770	284	
1902	Nov. 4	70,716	61,091	320	George C. Pardee.
1900	Nov. 6	73,633	65,161	303	
1898	Nov. 8	62,965	55,275	303	Henry T. Gage.
1896	Nov. 3	72,992	61,820	313	
1894	Nov. 6	68,039	61,548	293	James H. Budd.
1892	Nov. 8	67,849	60,790	275	
1890	Nov. 4	59,770	55,565	310	Henry H. Markham.
1888	Nov. 6	58,549	55,313	176	
1886	Nov. 2	48,792	45,716	176	Washington Bartlett & R. W. Waterman.
1884	Nov. 4	50,542	47,535	164	
1882	Nov. 7	42,135	39,102	152	George Stoneman.
1880	Nov. 2	43,775	41,292	152	
1879	Sept. 3	44,764	41,575	136	George C. Perkins.

MUNICIPAL ELECTIONS.

PRIMARY.

Year	Month	Registration	Vote Polled	Number Precincts
1915	Sept. 28*	179,592	119,105	651
1913	Sept. 30	143,075	65,905	673
1911	Sept. 26*	101,955	79,019	356
1909	Aug. 17	84,571	38,317	149
1907	Aug. 13	60,469	22,851	74
1905	Aug. 8	87,062	28,951	198
1903	Aug. 11	73,280	26,039	120
1901	Aug. 13	76,192	22,939	106
1899	Aug. 8	62,410	32,521	106

GENERAL.

Year	Month	Registration	Vote Polled	Number Precincts	Mayor
1915	Nov. 9	180,204	83,297	651	*James Rolph, Jr.
1913	Nov. 11	146,462	72,551	673	
1911	Nov. 7	102,196	69,689	356	*James Rolph, Jr.
1909	Nov. 2	90,790	65,065	301	P. H. McCarthy.
1907	Nov. 5	77,601	58,086	273	E. R. Taylor.
1905	Nov. 7	97,670	71,033	198	E. E. Schmitz-E. R. Taylor.
1903	Nov. 3	79,684	59,824	320	E. E. Schmitz.
1901	Nov. 5	77,890	53,746	303	E. E. Schmitz.
1899	Nov. 7	71,786	51,965	303	Jas. D. Phelan.
1898	Nov. 8	62,965	55,275	303	Jas. D. Phelan.
1896	Nov. 3	72,992	61,820	313	Jas. D. Phelan.
1894	Nov. 6	68,039	61,548	293	Adolph Sutro.
1892	Nov. 8	67,849	60,790	275	L. R. Ellert.
1890	Nov. 4	59,770	55,565	310	George H. Sanderson.
1888	Nov. 6	58,549	55,313	176	E. B. Pond.
1886	Nov. 2	48,792	45,716	176	E. B. Pond.
1884	Nov. 4	50,542	47,535	164	Washington Bartlett.
1882	Nov. 7	42,135	39,102	152	Washington Bartlett.
1881	Sept. 7		33,216	152	M. C. Blake.
1879	Sept. 3	44,764	41,575	136	I. S. Kalloch.

* Mayor James Rolph, Jr., elected at Primary Elections held September 26, 1911, and September 28, 1915.

SPECIAL ELECTIONS.

	Date	Registration	Vote Polled	Number Precincts
Adopted New Constitution	1879—May 7		38,034	136
Assemblyman	1884—Mar. 18		2,655	
Charter	1898—May 26	73,140	26,969	94
Charter	1883—Mar. 3		18,764	152
Charter	1880—Sept. 8		23,398	136
Charter Amendments	1915—Mar. 16	162,137	55,611	395
Charter Amendments	1912—Dec. 10	136,914	83,850	479
Charter Amendments	1910—Nov. 15	75,828	45,889	352
Charter Amendments	1902—Dec. 4		14,371	113
Charter Amendments (Charter and Amendments)	1887—April 12		25,959	176
Constitutional Amendments	1915—Oct. 26	180,204	48,884	651
Constitutional Amendments	1911—Oct. 10	101,894	59,266	356
Delegates to Constitutional Convention	1878—June 19		27,098	136
Freeholders	1897—Dec. 27	72,782	26,202	94
Freeholders	1880—Mar. 30		30,877	136
Home Telephone	1912—Mar. 29	115,445	32,058	356
Initiative-Referendum	1913—April 22	137,718	62,876	479
Recall (Grant)	1914—Oct. 8	16,090	8,944	43
Recall (Weller)	1913—April 22	137,718	62,876	479

PRESIDENTIAL ELECTIONS.

	Date	Registration	Vote Polled	Number Precincts	
Primary	1912—May 14	136,490	62,407	356	Electors
Primary	1904—May 3	32,721	9,384	120	Delegates
Primary	1908—May 5	36,564	24,178	125	Delegates
General	1912—Nov. 5	134,701	105,646	657	Wilson
General	1908—Nov. 3	75,388	61,625	300	Taft
General	1904—Nov. 8	81,576	67,770	284	Roosevelt
General	1900—Nov. 6	73,633	65,161	303	McKinley and Roosevelt
General	1896—Nov. 3	72,992	61,820	313	McKinley
General	1892—Nov. 8	67,849	60,790	275	Cleveland
General	1888—Nov. 6	58,549	55,313	176	Harrison
General	1884—Nov. 4	50,542	47,535	164	Cleveland
General	1880—Nov. 2	43,775	41,292	152	Garfield and Arthur

NATIVES OF UNITED STATES AND ITS POSSESSIONS.

DECEMBER 31, 1915.

Districts	21	22	23	24	25	26	27	28	29	30	31	32	33	Totals
States—														
Alabama	17	1	10	9	13	17	16	21	20	26	38	62	29	279
Arizona	5	4	5	5	6	19	13	24	12	14	23	31	14	175
Arkansas	23	8	12	16	10	18	30	14	30	46	15	27	24	273
California	3,342	2,955	4,403	5,505	7,182	9,190	6,831	7,258	6,462	6,095	6,978	7,678	4,058	77,937
Colorado	71	17	18	31	46	69	60	57	83	84	51	118	68	773
Connecticut	57	24	22	25	38	68	42	46	37	59	57	89	42	606
Delaware	6	3	5	6	8	5	13	10	3	15	8	11	5	98
Dist. Columbia	18	3	10	5	8	12		17	17	18	23	41	19	191
Florida	9	2	4	2	9	5	7	7	4	15	12	6	12	94
Georgia	34	7	13	19	15	27	26	24	23	56	21	48	38	351
Idaho	4	4	2	7	14	12	9	17	22	31	12	28	5	167
Illinois	455	114	226	270	331	441	372	419	491	556	274	686	381	5,016
Indiana	178	24	73	91	114	166	161	142	214	219	131	278	132	1,923
Iowa	205	36	100	138	162	247	208	202	263	294	132	382	162	2,531
Kansas	121	30	62	69	110	122	108	98	138	172	79	212	91	1,412
Kentucky	147	20	61	44	62	107	104	96	94	140	87	190	108	1,260
Louisiana	63	28	39	33	55	58	62	50	56	93	70	79	74	760
Maine	58	22	41	45	106	112	97	71	101	113	130	99	43	1,038
Maryland	76	15	31	27	27	45	70	67	38	69	85	90	44	684
Massachusetts	306	103	125	201	249	347	255	242	278	353	277	395	211	3,342
Michigan	164	49	72	118	121	162	135	147	159	254	145	343	138	2,007
Minnesota	122	26	55	73	76	137	99	113	140	158	68	182	90	1,339
Mississippi	22	2	5	5	20	15	5	16	16	34	26	51	14	231
Missouri	293	68	157	149	204	279	269	248	298	384	238	443	221	3,251
Montana	12	6	9	6	13	15	12	15	13	21	25	33	16	196

NATIVES OF UNITED STATES AND ITS POSSESSIONS. DECEMBER 31, 1915.—Continued.

Districts	21	22	23	24	25	26	27	28	29	30	31	32	33	Totals
Nebraska	62	15	29	49	65	74	66	72	70	76	40	131	66	815
Nevada	84	45	60	59	114	228	130	151	143	146	132	180	79	1,551
New Hampshire	18	8	15	16	30	27	34	32	22	44	22	39	13	320
New Jersey	101	30	46	59	67	99	85	86	96	90	85	118	59	1,021
New Mexico	4		4	1	6	9	6	5	8	7	7	12	5	74
New York	700	200	387	451	599	862	708	728	684	996	805	1,103	571	8,794
North Carolina	30	2	13	12	12	17	4	20	24	43	32	24	25	258
North Dakota	8	2	6	8	11	10	13	8	9	11	4	18	14	122
Ohio	317	65	147	186	220	307	279	291	298	362	246	544	214	3,476
Oklahoma	8			2	9	5	1	3	5	7	9	7	5	61
Oregon	63	21	51	79	87	140	134	131	131	151	131	210	95	1,424
Pennsylvania	392	91	139	215	281	342	289	266	335	403	286	463	277	3,779
Rhode Island	38	3	15	15	22	23	28	26	22	29	26	52	15	314
South Carolina	12	1	9	3	5	15	8	12	14	22	9	27	12	149
South Dakota	16	4	12	10		12	21	13	17	27	9	29	13	183
Tennessee	69	13	30	33	40	44	40	40	58	86	49	104	66	672
Texas	90	27	66	49	50	69	61	53	78	130	61	131	111	976
Utah	37	5	12	24	23	31	29	36	39	39	27	52	33	387
Vermont	25	6	13	15	33	33	35	23	25	29	22	61	19	339
Virginia	74	9	19	20	20	44	34	45	39	74	70	99	52	599
Washington	47	10	31	28	54	55	71	46	58	75	56	124	64	719
West Virginia	21	4	11	12	13	17	31	26	39	27	19	31	16	267
Wisconsin	179	40	73	102	120	212	130	151	194	209	107	252	125	1,894
Wyoming	6	5	5	6	2	8	3	4	4	4	6	19	11	83
Alaska	2			1	1	3	2	1	1	3	4	6	3	27
Hawaii	19	7	13	11	6	22	14	28	22	24	18	25	31	240
Philippine Islands	1		2				1				1		1	6
Porto Rico									1					1
Totals	8,231	4,184	6,768	8,365	10,889	14,403	11,261	11,718	11,448	12,433	11,288	15,463	8,034	134,485

RECAPITULATION—FOREIGN BORN.

District	21	22	23	24	25	26	27	28	29	30	31	32	33	Totals
Africa	3		1			1	1		1		1	2	4	14
Argentina	1	1	1			2	1		1		1	2	4	14
Asia Minor					1				1					2
At Sea	4	4		3	2	6	4	1	3	6	6	4		43
Australia	32	19	28	50	42	67	42	54	57	42	43	53	10	539
Austria	248	46	145	129	96	172	95	112	156	236	108	172	112	1,827
Azores Islands	3				1	1		6		5	1	2	11	30
Belgium	15	18	23	15	11	10	7	6	9	10	9	12	12	157
Brazil	1	1				1	2						1	6
Bulgaria	2									1		2		5
Canada	188	76	139	195	204	337	309	267	241	234	205	294	115	2,804
Central America	2	2		7	3	4		8	3	5	11	6		51
Chile	2	3	1	1	3	5	1	3	1	2	5		5	32
China				1		2	1	2		3	4	4	2	19
Cuba	1		1					1			2	1	2	8
Denmark	130	86	86	99	95	138	81	83	129	85	57	50	48	1,167
East India	1	1	1							1	1		1	6
Egypt		2	1				1	1			1		2	8
England	229	128	247	286	253	442	357	413	281	365	254	304	130	3,689
Finland	57	60	75	27	16	23	9	5	15	7	1	3	10	308
France	111	123	77	69	80	92	66	150	94	146	164	199	286	1,657
Germany	787	552	830	821	969	1,233	788	946	926	1,134	803	753	388	10,930
Greece	74	4	8	3	10	7	2	18	13	23	6	16	27	211
Greenland										1			1	2
Guiana											1			1
Holland	14	9	12	14	20	18	11	8	14	17	10	12	7	166
Hungary	46	14	51	40	20	39	14	27	26	53	21	30	14	395

1914—1915. RECAPITULATION—FOREIGN BORN—Continued.

District	21	22	23	24	25	26	27	28	29	30	31	32	33	Totals
Iceland		10				1	2	1	1				3	18
India	3				1		6	6	2	2	2			22
Ireland	1,221	615	997	1,371	1,062	1,132	680	738	881	661	452	300	184	10,294
Island Malta						1			1					2
Island Martinique										1			1	2
Italy	92	123	288	111	104	109	63	80	83	85	246	253	1,254	2,891
Japan						1	4		1	2	2	6		17
Luxemburg		1	1		2				1		3	4	4	15
Mexico	6	8	10	8	5	5	3	14	4	11	23	20	24	141
New Zealand	9	7	7	15	14	11	7	14	14	15	11	19	2	145
Norway	103	63	103	105	80	121	60	44	68	47	25	32	51	902
Oceania			4				1	1		1	2	3		12
Persia							1							1
Peru	1	1	2		1	4		3	4	1	3	1	4	25
Portugal	9	2	23	8	8	18	5	11	8	9	3	5	22	131
Roumania	14	5	20	18	5	12	5	13	36	56	4	7	9	204
Russia	140	55	129	68	81	166	78	110	154	350	80	109	58	1,578
Scotland	133	109	97	95	100	155	101	99	103	99	65	82	40	1,278
Servia		1						1		1	1	3		7
South Africa			1	1	2		1	3	2		1	1	2	14
Spain	1	2	3	3	4	5	3	5	2	3	5	11	31	78
Sweden	288	162	310	250	161	356	189	133	170	126	72	96	94	2,407
Switzerland	81	52	118	95	118	76	42	62	95	62	51	78	150	1,080
Tahiti				2	3		2	1	1					9
Turkey	25	9	7	8	3	9	7	8	10	26	7	11	11	141
Uruguay		1	1	1	1				1		2	1		8
Venezuela				1				1		2				4
Wales	20	5	15	11	15	16	14	17	21	16	6	13	5	174
West Indies		1	3		1	3	4	1	4	2	9	1	3	32
Totals	4,097	2,381	3,866	3,931	3,597	4,801	3,070	3,477	3,637	3,956	2,789	2,976	3,141	45.719

	TO INCUR BONDED DEBT ON 3 propositions at 3%: First: $4,600,000 for Sewer System. Second. $475,000 for City and County Hospital. Third. $1,400,000 for 17 new School Houses.		TO INCUR BONDED DEBT OF $4,550,000 at 3½% for Public Parks: $3,981,290 for Panhandle Extension. $268,710 for Richmond Boulevard. $300,000 Mission Parks.	
	FOR.	AGAINST.	FOR.	AGAINST.
	1. 21,259	820		
	2. 21,366	684		
	3. 21,158	865		
			21,900	7,840

, December 27, 1899.

ember 29, 1899.

Report of Fire Commissioners

San Francisco, July 1, 1916.

To the Hon. James Rolph, Jr.,
Mayor of the City and County of San Francisco.

Dear Sir:—In compliance with the provisions of Section 9, Article XVI, of the Charter of the City and County of San Francisco, the Board of Fire Commissioners of said City and County do hereby submit and present its annual report for the fiscal year ending June 30, 1916, containing therein a statement of the expenditures, etc., and report of the Chief Engineer showing the conditions and operations of the Department in general.

ORGANIZATION.

The department, as it is now constituted, consists of a Board of Fire Commissioners of four members, a Secretary, a Chief Engineer, One First Assistant Chief Engineer, one Second Assistant Chief Engineer, eleven Battalion Chiefs, forty-eight fire engine companies, thirteen hook-and-ladder companies, twelve chemical companies, two water tower companies, three monitor batteries, two fire boat companies and three relief engine companies, and employes of the corporation yard, repair shops, department stables and auxiliary high pressure water system, numbering in all 907 employes, of which 818 constitute the present uniform force.

BOARD OF FIRE COMMISSIONERS.

JOHN T. FOGARTY, President	Term expires January 8, 1918
JOHN F. DAVIS	Term expires January 8, 1920
TILLMAN R. HERRING	Term expires January 8, 1919
FRANK C. SYKES	Term expires January 8, 1917
FRANK T. KENNEDY	Secretary

OFFICERS OF THE DEPARTMENT.

Thomas R. Murphy	Chief Engineer
Stephen D. Russell	First Assistant Chief Engineer
John J. Conlon	Second Assistant Chief Engineer
Alfred Davis	Battalion Chief
James Britt	Battalion Chief
Michael Boden	Battalion Chief
Charles R. Murray	Battalion Chief
Edward Skelly	Battalion Chief
James F. Layden	Battalion Chief
Thomas J. Murphy	Battalion Chief
James Radford	Battalion Chief
George G. Bailey	Battalion Chief
Walter A. Cook	Battalion Chief
John R. Maxwell	Battalion Chief

APPROPRIATION AND EXPENDITURES.

Appropriation for fiscal year 1915-1916		$1,622,301.00	
Brought forward from fiscal year 1914-1915		80,697.72	
			$1,702,988.72

EXPENDITURES.

Salaries—			
Corporation Yard	$ 51,599.25		
Distributing System	15,561.00		
Harness Shop	5,559.75		
Horseshoers	6,260.00		
Hydrantmen	8,350.00		
Office	10,775.00		
Paint Shop	5,782.95		
Pumping Stations	20,050.85		
Stables	12,613.35		
Uniform Force	1,243,270.75		
		$1,379,822.90	
Maintenance—			
Apparatus (New)	$ 75,256.25		
Forage	34,932.95		
Fuel	29,956.22		
Furniture	2,540.09		
Garbage Removal	3,300.00		
Harness and Repairs	1,287.44		
Horseshoeing	3,574.86		
Hydrants	12,033.59		
Material	36,409.22		
Office	973.42		
Paint Shop	1,529.03		
Rent	1,623.75		
Stables	674.59		
Supplies	14,413.58		
Water	8,958.73		
		227,463.72	
			1,607,286.62
Balance, unexpended			$ 95,712.10
Less amount due on uncompleted contracts			80,237.00
Surplus unexpended			$ 15,475.10

DETAILS OF ORGANIZATION.

(Salaries provided by Charter or by Ordinance.)

No.		Per Annum
4	Commissioners, each	$1,200
1	Secretary	2,400
1	Chief Engineer	5,000
1	First Assistant Chief Engineer	3,600
1	Second Assistant Chief Engineer	3,000
11	Battalion Chiefs, each	2,700
14	Chiefs' Operators, each	1,500
48	Captains of Engine Companies, each	1,860
48	Lieutenants of Engine Companies, each	1,710
48	Engineers of Engine Companies, each	1,680
48	Drivers of Engine Companies, each	1,440
48	Stokers of Engine Companies, each	1,440
288	Hosemen of Engine Companies, each	1,440
2	Captains of Relief Engine Companies, each	1,860
2	Lieutenants of Relief Engine Comapines, each	1,710
10	Hosemen of Relief Engine Companies, each	1,440
13	Captains of Hook-and-Ladder Companies, each	1,860
13	Lieutenants of Hook-and-Ladder Companies, each	1,710
13	Drivers of Hook-and-Ladder Companies, each	1,440
13	Tillermen of Hook-and-Ladder Companies, each	1,440
104	Truckmen of Hook-and-Ladder Companies, each	1,440
12	Captains of Chemical Companies, each	1,860
12	Lieutenants of Chemical Companies, each	1,710
12	Drivers of Chemical Companies, each	1,440
12	Hosemen of Chemical Companies, each	1,440
2	Captains of Water Tower Companies, each	1,860
2	Lieutenants of Water Tower Companies, each	1,710
2	Drivers of Water Tower Companies, each	1,440
2	Hosemen of Water Tower Companies, each	1,440
3	Drivers of Monitor Batteries, each	1,440
2	Captains of Fire Boat Companies, each	1,860
2	Lieutenants of Fire Boat Companies, each	1,710
4	Pilots of Fire Boat Companies, each	2,100
4	Engineers of Fire Boat Companies, each	2,100
6	Marine Firemen of Fire Boat Companies, each	1,200
24	Hosemen of Fire Boat Companies, each	1,440
4	Engineers of Relief Fire Boat Companies, each	2,100
2	Marine Firemen of Relief Fire Boat Companies, each	1,200
1	Superintendent of Engines	2,700
1	Clerk and Commissary	1,800
1	Superintendent of Horses	1,860
1	Veterinarian	1,200
8	Hostlers, each	1,200
4	Horseshoers, each per diem	5.00
8	Machinists, each per diem	4.50
5	Blacksmiths, each per diem	4.50
5	Blacksmith Helpers, each per diem	3.50
1	Pattern Maker, per diem	5.25
1	Brass Finisher, per diem	4.50
2	Boiler Makers, each per diem	4.50
2	Boilermakers' Helpers, each per diem	3.25

No.		Per Annum
1	Steamfitter, per diem	6.00
1	Foreman Carriage Painter, per diem	5.00
3	Carriage Painters, each per diem	4.50
1	Foreman Woodworker, per diem	4.50
1	Woodworker, per diem	4.50
1	Foreman Harnessmakers, per diem	5.00
3	Harnessmakers, each per diem	4.25
2	Chief Engineers of Pumping Stations, each per annum	2,100
5	Assistant Engineers of Pumping Stations, each per annum	1,500
7	Stationary Firemen of Pumping Stations, each per annum	1,200
1	Superintendent High Pressure Water System, per annum	2,400
1	Foreman Gateman High Pressure System, per annum	1,500
1	Assistant Foreman Gateman, High Pressure System, per annum	1,440
5	Gatemen High Pressure Water System, each per annum	1,200
3	Laborers High Pressure Water System, each per diem	3.00
1	Caulker High Pressure Water System, per diem	4.50
7	Hydrantmen, Low Pressure Water System, each per annum	1,200
3	Draymen, each per annum	1,200
4	Watchmen, each per annum	1,200
1	Physician-Surgeon, per annum	1,800
1	Stenographer-Typewriter, per annum	1,800

Under the provisions of the Charter, drivers, stokers, tillermen, hosemen and truckmen receive $1,200 per annum for the first year of service, $1,320 for the second year and $1,440 for the third year and thereafter.

Chief Engineer's Report

Headquarters Fire Department,
San Francisco, July 1, 1916.

To the Honorable,
The Board of Fire Commissioners.

Gentlemen:—I respectfully submit my annual report for the fiscal year ending June 30, 1916, showing the present condition of the department and the progress made therein during the past year, together with such recommendations, etc., as in my judgment I deem necessary and proper to further promote the efficiency of the department:

FIRES.

The following is a list of alarms of fire responded to by the department during the past year; also statistics showing the style of structure in which fires originated, the extent thereof, and the manner in which they were extinguished:

Number of Alarms Responded to:

Bell alarms from street or automatic boxes	1,653
Still alarms and direct alarms received by telephone, etc	1,892
Total alarms received	3,545
Total alarms received during previous fiscal year	2,720
Total increase	825
First alarms	1,581
Second alarms	57
Third alarms	14
Fourth alarms	1
Vicinity boxes	145
False alarms	353
Alarms for accidents, etc., other than fire	46

Style of Structure in which Fires Occurred:

Frame buildings	1,322
Brick or stone buildings	229
Fires occurring in other than buildings	956
Fires confined to floor of origin	1,439
Fires confined to building (not floor) of origin	47
Fires not confined to building of origin	65

Manner in which Fires were Extinguished:

Fires extinguished with chemicals	734
Fires extinguished with low pressure water	813
Fires extinguished with hogh pressure water	46
Fires extinguished otherwise	914

APPARATUS.

The following is a list of the apparatus in good condition and in active service in the department:

Steam Fire Engines (horse drawn)	36
Steam Fire Engines (motor propelled)	9
Gasoline Pumping Engines (motor propelled)	3
Hose Wagons, straight (horse drawn)	36
Hose Wagons, straight (motor propelled)	1
Hose Wagons, combination (horse drawn)	1
Hose Wagons, combination (motor propelled)	10
Hook-and-Ladder Trucks (horse driven)	7
Hook-and-Ladder Trucks (motor propelled)	6
Chemical Engines, straight (horse drawn)	6
Chemical Engines, straight (motor propelled)	6
Water Towers (horse drawn)	2
Monitor Batteries (horse drawn)	3
Fire Boats	2
Squad Wagons (motor propelled)	1
Hose Tenders (motor driven)	1
Chief's automobiles	13
Chief's buggies	14
Hose reels (horse drawn)	2
Hydrant cars (horse drawn)	7
Hose, 1-inch, feet	4,400
Hose, 1½-inch, feet	31,000
Hose, 2½-inch, feet	9,793
Hose, 2¾-inch, feet	107,899
Hose, 3-inch, feet	12,010
Hose, 3½-inch, feet	5,030
Hose, 1-inch rubber hose for chemical apparatus, feet	8,000

In addition to the above there is also the following apparatus, vehicles, etc., for relief and other purposes: Twelve horse drawn steam fire engines; nine horse drawn straight hose wagons; one motor propelled combination hose wagon and two horse drawn; five horse drawn hook-and-ladder trucks; four horse drawn straight chemicals; three automobiles; fourteen chief's buggies; five horse drawn supply wagons; one horse drawn coal wagon; nine horse drawn stable wagons one horse drawn wrecking wagon;; two motor propelled delivery wagons and four horse drawn.

Total number of motor propelled vehicles of all kinds	55
Total number of horse drawn vehicles of all kinds	181

There is also on hand the following amounts of reserve fire hose:

1 -inch cotton	350	feet
1½-inch cotton	13,700	"
2½-inch cotton	3,850	"
2¾-inch cotton	11,450	"
3 -inch cotton	3,900	"
3½-inch cotton	1,950	"
1 -inch rubber for chemical apparatus	1,100	"
Total	36,300	"
Total amount of hose of all kinds in service	178,132	feet
Total amount of hose of all kinds in reserve	36,300	"
Total amount of hose in department	214,432	"

NEW APPARATUS ACQUIRED.

During the past year the following new motor driven apparatus was purchased and delivered to the department:

One chemical engine.
One hook-and-ladder truck.
One squad wagon.
Two combination pumping engines.
Four two-wheel tractors.
Two four-wheel tractors.
One delivery wagon.

In addition thereto the following motor driven fire apparatus has also been contracted for during the past year but has not as yet been delivered to the department:

Four combination pumping engines.
Two chemical engines.
Three four-wheel tractors.
Two combination wagons.

Making a total of twenty-three pieces of motor apparatus received and contracted for during the past fiscal year.

STATEMENT OF THE KIND OF APPARATUS, CLASS, NUMBER OF MEN EACH COMPANY FOR THE FISCAL

COMPANY AND KIND OF APPARATUS.	Size of Apparatus	Number of Men in Company	Number of Horses in Company
Engine Co. No. 1—Clapp & Jones, double	First	11	5
Engine Co. No. 2—Metropolitan, double	Second	11	5
Engine Co. No. 3—Metropolitan, double (Motor driven and Comb. wagon)	Second	11	0
Engine Co. No. 4—American La France, double	First	11	5
Engine Co. No. 5—American, double (Motor driven and Comb. wagon)	Second	11	0
Engine Co. No. 6—American, double	First	11	5
Engine Co. No. 7—Clapp & Jones, double	Second	11	5
Engine Co. No. 8—American La France, double	Second	11	5
Engine Co. No. 9—American La France, double	First	11	5
Engine Co. No. 10—Ahrens Fox, double (Motor driven and Comb. wagon)	First	11	0
Engine Co. No. 11—Amoskeag, double	Second	11	5
Engine Co. No. 12—American La France, double (Motor driven and Comb. wagon)	First	11	0
Engine Co. No. 13—American La France, double	Second	11	5
Engine Co. No. 14—Clapp & Jones, double	Second	11	5
Engine Co. No. 15—Clapp & Jones, double	Second	11	5
Engine Co. No. 16—American La France, double	Second	11	5
Engine Co. No. 17—American, double	First	11	5
Engine Co. No. 18—Clapp & Jones, double	Third	11	5
Engine Co. No. 19—Metropolitan, double	Second	11	5
Engine Co. No. 20—Metropolitan, double (Motor driven and Comb. wagon)	Second	11	0
Engine Co. No. 21—Seagrave, double (Motor driven and Comb. wagon)	Second	11	0
Engine Co. No. 22—Metropolitan, double (Motor driven and Comb. wagon)	Second	11	0
Engine Co. No. 23—Metropolitan, double (Motor driven and Comb. wagon)	Third	11	0
Engine Co. No. 24—Metropolitan, double (Motor driven and Comb. wagon)	Third	11	0
Engine Co. No. 25—Clapp & Jones, double	Second	11	5
Engine Co. No. 26—Amoskeag, double	Second	11	5
Engine Co. No. 27—Clapp & Jones, double	Second	11	5
Engine Co. No. 28—Metropolitan, double (Motor driven and Comb. wagon)	Second	11	0
Engine Co. No. 29—Metropolitan, double	Second	11	5
Engine Co. No. 30—American La France, double	Third	11	5
Engine Co. No. 31—Metropolitan, double	Third	11	5
Engine Co. No. 32—American La France, double	Third	11	5
Engine Co. No. 33—American La France, double	Fourth	11	5
Engine Co. No. 34—Continental, double	Second	11	5
Engine Co. No. 35—American, double	First	11	5
Engine Co. No. 36—American, double	Second	11	5
Engine Co. No. 37—American La France, double	Second	11	5
Engine Co. No. 38—American La France, double	Fourth	11	5
Engine Co. No. 39—Metropolitan, double	Third	11	5
Engine Co. No. 40—Clapp & Jones, double	Third	11	5
Engine Co. No. 41—Continental, double	Third	11	5
Engine Co. No. 42—American La France, double	Second	11	5
Engine Co. No. 43—American La France, double	Third	11	5
Engine Co. No. 44—American La France, double	Third	11	5
Engine Co. No. 45—La France, double	Fourth	11	5
Engine Co. No. 46—American La France, double (Motor driven and Comb. wagon)	Second	11	0

AND HORSES, ALARMS RESPONDED TO AND DUTY PERFORMED BY YEAR ENDING JUNE 30, 1916.

HOSE		Number of Bell Alarms Responded to	Number of Fires Performed Duty at	Number of Still Alarms Responded to	Time Worked	
Kind.	Number of Feet and Size.				Hours	Minutes
Cotton	1,500 feet 2¾ inches; 400 feet 1½ inches	112	43	25	30	24
Cotton	1,500 feet 2¾ inches; 400 feet 1½ inches	114	51	25	45	45
Cotton	1,800 feet 2¾ inches; 400 feet 1½ inches	112	15	11	13	43
Cotton	1,500 feet 2¾ inches; 400 feet 1½ inches	141	35	1	49	13
Cotton	2,000 feet 2¾ inches; 400 feet 1½ inches	115	31	10	39	.....
Cotton	1,500 feet 2¾ inches; 400 feet 1½ inches	129	86	77	97	45
Cotton	1,500 feet 2¾ inches; 400 feet 1½ inches	135	33	.....	26	8
Cotton	1,500 feet 2¾ inches; 400 feet 1½ inches	153	26	34	28	11
Cotton	1,500 feet 2¾ inches; 400 feet 1½ inches	65	54	44	75	45
Cotton	2,050 feet 2¾ inches; 400 feet 1½ inches	159	65	22	73	16
Cotton	1,750 feet 2¾ inches; 450 feet 1½ inches	38	20	5	34	25
Cotton	2,000 feet 2¾ inches; 400 feet 1½ inches	60	39	46	39	34
Cotton	1,500 feet 2¾ inches; 400 feet 1½ inches	132	24	18	20	30
Cotton	1,500 feet 2¾ inches; 400 feet 1½ inches	164	34	23	44	45
Cotton	1,500 feet 2¾ inches; 400 feet 1½ inches	93	15	15	22	35
Cotton	1,600 feet 2¾ inches; 400 feet 1½ inches	51	45	23	56	10
Cotton	1,500 feet 2¾ inches; 400 feet 1½ inches	158	72	68	65	6
Cotton	1,600 feet 2¾ inches; 400 feet 1½ inches	94	20	11	15	.....
Cotton	1,500 feet 2¾ inches; 400 feet 1½ inches	160	93	35	71	54
Cotton	2,000 feet 2¾ inches; 400 feet 1½ inches	73	44	41	34	51
Cotton	2,000 feet 2¾ inches; 400 feet 1½ inches	136	40	49	33	45
Cotton	2,000 feet 2¾ inches; 400 feet 1½ inches	52	26	16	28	40
Cotton	2,000 feet 2¾ inches; 400 feet 1½ inches	112	61	35	49	35
Cotton	2,000 feet 2¾ inches; 400 feet 1½ inches	47	19	17	13	5
Cotton	1,500 feet 2¾ inches; 400 feet 1½ inches	135	25	0	29	50
Cotton	1,700 feet 2¾ inches; 400 feet 1½ inches	98	35	17	30	10
Cotton	2,000 feet 2¾ inches; 400 feet 1½ inches	146	67	41	56	5
Cotton	2,000 feet 2¾ inches; 400 feet 1½ inches	82	37	25	34	.....
Cotton	1,550 feet 2¾ inches; 400 feet 1½ inches	143	68	34	65	38
Cotton	1,750 feet 2¾ inches; 400 feet 1½ inches	104	16	8	34	15
Cotton	1,500 feet 2¾ inches; 400 feet 1½ inches	64	17	14	11	18
Cotton	1,800 feet 2¾ inches; 400 feet 1½ inches	85	35	17	44	.....
Cotton	1,800 feet 2¾ inches; 450 feet 1½ inches	41	18	10	29	27
Cotton	1,550 feet 2¾ inches; 400 feet 1½ inches	148	29	23	44	21
Cotton	1,500 feet 2¾ inches; 400 feet 1½ inches	78	64	29	79	15
Cotton	1,750 feet 2¾ inches; 400 feet 1½ inches	57	15	13	9	53
Cotton	1,600 feet 2¾ inches; 400 feet 1½ inches	89	21	9	23	45
Cotton	1,500 feet 2¾ inches; 400 feet 1½ inches	81	36	20	27	45
Cotton	1,500 feet 2¾ inches; 400 feet 1½ inches	167	58	29	43	25
Cotton	1,800 feet 2¾ inches; 400 feet 1½ inches	50	30	23	32	15
Cotton	1,500 feet 2¾ inches; 400 feet 1½ inches	68	30	36	25	50
Cotton	2,000 feet 2¾ inches; 400 feet 1½ inches	45	23	17	29	.....
Cotton	2,050 feet 2¾ inches; 400 feet 1½ inches	51	17	15	17	20
Cotton	1,600 feet 2½ inches; 200 feet 1½ inches	39	3	7	2	20
Cotton	2,000 feet 2½ inches; 400 feet 1½ inches	17	14	14	15	40
Cotton	2,062 feet 2¾ inches; 400 feet 1½ inches	105	14	1	20	5

STATEMENT OF THE KIND OF APPARATUS, CLASS, NUMBER OF MEN EACH COMPANY FOR THE FISCAL

COMPANY AND KIND OF APPARATUS.	Size of Apparatus	Number of Men in Company	Number of Horses in Company
Engine Co. No. 47—La France, double	Fourth	11	5
Engine Co. No. 48—American La France, double	Second	11	0
(Motor driven and Comb. wagon)			
Truck Co. No. 1—American La France (motor)	First	12	0
Truck Co. No. 2—Seagrave (motor)	First	12	0
Truck Co. No. 3—Hayes, straight frame	First	12	3
Truck Co. No. 4—Seagrave (motor)	First	12	0
Truck Co. No. 5—Rumsey, trussed	First	12	3
Truck Co. No. 6—American Le France (motor)	First	12	0
Truck Co. No. 7—Seagrave, trussed frame	First	12	3
Truck Co. No. 8—Hooper, trussed frame	First	12	3
Truck Co. No. 9—Larkin, straight frame	Second	12	3
Truck Co. No. 10—Larkin, straight frame	Second	12	3
Truck Co. No. 11—Hayes, straight frame	Third	12	3
Truck Co. No. 12—Kenney, (motor)	First	12	0
Truck Co. No. 13—American La France (motor)	First	12	0
Chemical Co. No. 1—Champion, double, 80 gal	First	4	2
Chemical Co. No. 2—La France Motor, double 80	First	4	0
Chemical Co. No. 3—La France Motor, double 80	First	4	0
Chemical Co. No. 4—Champion, double 60 gal	First	4	2
Chemical Co. No. 5—La France Motor, double 80	First	4	0
Chemical Co. No. 6—Pope Hartford Motor, double 80	First	4	0
Chemical Co. No. 8—American La France combination chemical and hose wagon	First	4	0
Chemical Co. No. 9—Holloway, double 60 gal	First	4	2
Chemical Co. No. 10—Champion, double 60 gal	First	4	2
Chemical Co. No. 11—Champion, double 60 gal	First	4	2
Chemical Co. No. 12—Champion, double 100 gal	First	4	2
Chemical Co. No. 13—Ahrens Fox, double 80 gal. (motor driven)	First	4	0
Water Tower 1—Gorter Tower	First	4	3
Water Tower 2—Gorter Tower	First	4	3
Monitor Battery 1—Gorter Battery	First	1	1
Monitor Battery 2—Gorter Battery	First	1	1
Monitor Battery 3—Gorter Battery	First	1	1
Fire Boat 1—With auto hose tender	First	21	0
On hose tender			
Fire Boat 2—With comb. hose and chemical	First	21	3
Fire Boat 3—		4	...
Fire Boat 4—		2	...

AND HORSES, ALARMS RESPONDED TO AND DUTY PERFORMED BY YEAR ENDING JUNE 30, 1916.

HOSE					Time Worked	
Kind.	Number of Feet and Size.	Number of Bell Alarms Responded to	Number of Fires Performed Duty at	Number of Still Alarms Responded to	Hours	Minutes
Cotton	2,000 feet 2½ inches; 400 feet 1½ inches	26	17	12	20	15
Cotton	2,000 feet 2¾ inches; 400 feet 1½ inches	41	52	13	27	7
		176	93	17	81	15
		154	72	30	67	15
		166	144	149	105	56
		139	64	30	67	35
		103	107	52	84	55
		141	118	53	76	23
		156	103	32	117	20
		112	73	13	111	35
		105	34	8	47	30
		103	52	24	54	55
		131	64	17	57	56
		111	61	25	69	5
		97	61	41	66	21
Cotton	200 feet 1½ in. Rubber 300 feet 1 inch	125	126	113	79	10
	Rubber 300 feet 1 inch	119	110	52	72	20
	Rubber 300 feet 1 inch	86	50	39	37	49
	Rubber 300 feet 1 inch	127	179	160	116	56
	Rubber 300 feet 1 inch	105	62	45	58	43
	Rubber 300 feet 1 inch	83	120	136	79	18
Cotton	400 feet 1½ in.					
Cotton	2,000 feet 2¾ in. Rubber 300 feet 1 inch	36	27	12	29	34
	Rubber 600 feet 1 inch	108	73	45	42	50
	Rubber 300 feet 1 inch	33	34	27	26	30
	Rubber 300 feet 1 inch	160	108	49	71	.....
	Rubber 300 feet 1 inch	20	20	18	24	15
	Rubber 300 feet 1 inch	98	65	35	45	15
		128	0	0	0	0
		108	0	0	0	0
		159	6	0	10	25
		120	6	0	10	10
		53	1	0	2	15
Cotton	3,000 feet 3½ inches; 1,100 feet 1½ inches	48	8	5	99	10
Cotton	2,750 feet 3½ inches; 200 feet 1½ inches	.....	.....	.....	.....	.....
Cotton	2,950 feet 3½ inches; 950 feet 1½ inches	69	33	23	41	35
Cotton	5,450 feet 3 inches.	.....	.....	.....	.....	.....

NEW COMPANIES.

The only new company that was put in service during the year was Hook-and-Ladder Co. 13, which was installed in the new fire house at Drumm and Commercial streets.

NEW BUILDINGS.

During the past year the following new buildings were completed and accepted and are now occupied by companies of the department.

Two-story class "C" building at Drumm and Commercial streets for Engine Co. 12 and Truck Co. 13, with headquarters for Battalion Chief.

Two-story class "C" building on Post street between Polk and Larkin for Engine Co. 3 and Chemical Co. 6.

Two-story class "C" building on Powell street between Pacific and Broadway for Engine Co. 5 and Hook-and-Ladder Co. 2, with headquarters for a Battalion Chief.

During the year contracts have been awarded for the construction of the following buildings which are now in course of construction:

Two-story class "C" building on Howard street between New Montgomery and Third streets for Engine Co. 4, Water Tower Co. 1 and Chemical Co. 1. Contract price $30,264.

Two-story class "C" building on Mint avenue near Fifth street for Engine Co. 17. Contract price, $30,330.

Two-story class "C" building on Pacific avenue between Polk and Van Ness avenue for Engine Co. 8 and Hook-and-Ladder Co. 4. Contract price, $29,559.

HYDRANTS.

The department has now 4,430 hydrants connected ot the mains of the Spring Valley Water Company. During the year 44 of such hydrants were taken out and discontinued, fifteen old style hydrants were replaced by new 5-inch, and 116 new hydrants were installed. In addition to the above there are twenty-nine salt water hydrants that are supplied by the Olympic Salt Water Co.

There are also 889 high pressure hydrants and 141 street water cisterns connected with the auxiliary high pressure water system, which constitute an important factor in fire protection purposes and which has been resorted to most advantageously during the past year on many occasions.

DEPARTMENT STABLES.

There are at present 307 horses in the department, which is a decrease of forty-two in number from what the department possessed last year, owing to the installation of motor driven apparatus. This number includes the horses used for relief purposes and six condemned horses that have been turned out on pasture. Thirty-four horses were condemned during the year, of which eight were destroyed, one died while out on pasture, fifteen were transfrred to other departments of the municipality, six sold at public auction and four placed out on pasture. Four horses died of various diseases, two were killed on account of incurable diseases and two were killed by a street car accident. For the first time in a number of years no additional horses were purchased by the department.

APPOINTMENTS, DISMISSALS, ETC.

During the past year sixty-two appointments were made to the uniform force of the department, fifteen resignations accepted and three members dismissed from the service for cause. There were also fourteen promotions made to higher rank in the department.

DEATHS.

The following deaths occurred amongst the members of the department during the year:

John Titus, Driver Engine Co. 16, July 2, 1916, of chronic myocarditis.

Albert Bernston, Lieutenant Engine Co. 32, August 22, 1915, of garcinoma of the sotmach.

Frank McCluskey, Lieutenant Truck Co. 12, September 11, 1915, perforation of stomach following operation.

David Burke, Driver Engine Co. 10, September 30, 1915, of tuberculosis of throat.

Dennis J. Mulcahy, Hoseman Engine Co. 21, November 7, 1915, from shock caused by burns while working at a fire.

Delbert D. Daley, Driver Engine Co. 44, December 2, 1915, from gunshot wound.

Thomas Magner, Captain Engine Co. 20, January 7, 1916, from heart disease.

Thomas P. Jones, Hoseman Engine Co. 18, February 15, 1916, of pulmonary tuberculosis.

Joseph Corwell, Driver Truck Co. 2, June 11, 1916, from injuries received while responding to an alarm of fire.

RETIRED ON PENSION.

The following members of the department were retired from active service during the year:

John F. Buker, Truckman Truck Co. 4, retired August 1, 1915, for physical disability.

Charles Neil, Hoseman Engine Co. 36, retired August 1, 1915 for physical disability.

Emile Gouvi, Hoseman Engine Co. 36, retired August 1, 1915, for physical disability.

Daniel J. Riordan, Hoseman Engine Co. 36, retired August 1, 1915, for physical disability.

Joseph F. Thompson, Hoseman Fire Boat Co. 1, retired July 16, 1915, for physical disability.

Henry H. Casey, Truckman Truck Co. 6, retired August 4, 1915, for full time of service.

William J. Hart, Hoseman Engine Co. 48, retired August 4, 1915, for physical disability.

Joseph Morse, Hoseman Engine Co. 32, retired August 4, 1915, for physical disability.

P. J. Creede, Lieutenant Truck Co. 1, retired August 4, 1915, for physical disability.

William Schultz, Captain Truck Co. 11, retired October 1, 1915, for full time of service.

James Koopman, Hoseman Engine Co. 3, retired October 1, 1915 for physical disability.

N. N. Mathewson, Sr., Lieutenant Engine Co. 33, retired November 16, 1915, for full time of service.

Thomas R. Walsh, Hoseman Engine Co. 33, retired November 16, 1915, for full time of service.

John T. Finnigan, Hoseman Engine Co. 33, retired November 16, 1915, for full time of service.

Patrick D. Hughes, Engineer Engine Co. 39, retired December 1, 1915, for physical disibility.

Daniel Coughlin, Hoseman Engine Co. 31, retired January 1, 1916, for full time of service.

Martin Burns, Hoseman Engine Co. 8, retired January 1, 1916, for full time of service.

Edward McDermott, Hoseman Engine Co. 22, retired April 3, 1916, for physical disibility.

W. E. Gallatin, Sr., Captain Chemical Co. 5, retired April 13, 1916, for full time of service.

Thomas J. Coogan, Engineer Engine Co. 27, retired May 11, 1916, for full time of service.

John T. O'Donnell, Truckman Truck Co. 9, retired May 11, 1916, for physical disability.

William Shackleton, Driver Truck Co. 4, retired June 1, 1916, for full time of service.

James P. Britt, Battalion Chief, retired June 8, 1916, for physical disability.

Hugh P. Powers, Captain Chemical Co. 10, retired June 8, 1916, for full time of service.

RECOMMENDATIONS.

I would recommend that new building sites be procured for the department at the following locations:

Lot in the vicinity of Twenty-fourth and Utah streets for Engine Co. 37 and Hook-and-Ladder Co. 9. These companies at present are occupying rented quarters at a cost to the department of $100 per month.

Lot in the vicinity of Eighteenth and Eureka streets for a hook-and-ladder truck company and a high pressure system hose wagon.

I would also recommend the erection of buildings on site herein recommended for purchase as follows:

Two-story class "C" building in the vicinity of Twenty-fourth and Utah streets for Hook-and-Ladder Co. 9 and Engine Co. 37.

Two-story class "C" building in the vicinity of Jones and Clay streets for a truck and chemical company.

In addition to the above I would recommend the purchase of a lot in the vicinity of Twenty-first and Tennessee streets and the erection of a two-story class "C" building thereon as a headquarters for the Battalion Chief of that district and also quarters for Engine Co. 16 and a new truck company. The present quarters now occupied by Engine Co. 16 and the Battalion Chief are entirely inadequate and do not afford proper accommodations for the members stationed there.

I would also recommend the establishment of an additional hook-and-ladder truck company, to be known as Truck Co. 14, to be stationed in the above proposed quarters as this district, which is a large manufacturing one, is urgently in need of this class of fire apparatus.

Some of the companies of the department are now housed in buildings that are totally unfit for habitation by the members of the department, the same being old frame structures that are without proper accommodations, and in many instances are insanitary. More modern buildings are required for the use of these companies and I therefore make the following recommendations thereon:

Two-story class "C" building for Engine Co. 9 and a high pressure water system hose wagon on Main street near Folsom.

Building for Truck Co. 3, Chemical Co. 4 and a Battalion Chief's headquarters on the civic center site.

Two-story class "C" building for Truck Co. 5 and Chemical Co. 2 on Post street near Fillmore. I would also recommend the placing of a straight hose wagon (motor propelled) with turret nozzle equipment in these quarters.

I would further recommend the establishment in the near future of a truck company and a high pressure system hose wagon at Eighteenth and Eureka streets and a chemical company in the vicinity of Clay and Jones streets.

I recommend the purchase of the following motor propelled fire apparatus during the ensuing fiscal year: Five straight chemicals for service in Chemical Companies Nos. 4, 9, 10 and 12 and the additional one for relief purposes. One city service hook-and-ladder truck and four-wheel tractors for Truck Companies 3, 5, 7, 8 and 9. Four run-abouts for the use of Battalion Chiefs and 10,000 feet of 2¾-inch fire hose.

I would also recommend that the following Engine Companies be converted into motor propelled apparatus at the earliest date possible: Engine Companies 1, 2, 13, 15, 30, 33, 34 and 37.

I would further suggest the following items, the cost of which to be taken from the maintenance fund for the fiscal year:

Five thousand dollars for alteration to the water towers so as to safely accommodate the same to the use of the high pressure water system. Eight thousand dollars for the construction of gas generators for use in the extinguishing fires in the holds of vessels; and five thousand dollars for the purchase of twenty-five reducing valves for the high pressure water system.

I also recommend the installation of at least fifty additional street water cisterns for fire protection purposes, to be located in sections of the city that are not now covered by the mains of the Spring Valley Water Company or those of the high pressure water system.

In this connection I would advocate the conversion of the excavation in Howard street at its intersection with Tenth street, which was formerly used by the street railroad company, into a cistern of from 800,000 to 900,000 gallons capacity. This could be accomplished at a comparatively small expense.

In order to afford sufficient water for fire protection purposes in outlying districts which are practically without such protection at the present time I will again renew my recommendations as follows:

That in the Oceanside District, south of Golden Gate Park, a connection be made with the pipe system from the pumps supplying Lake Metson in said park by running a 12-inch main from the same through the Park to connect to the cistern installed at Forty-seventh avenue and Judah street and thence running through intersecting streets to Forty-ninth avenue and Pacheco street. By this means the cistern could be more rapidly filled when required. Hydrants could be connected to this main at desirable points, which, after their installation, could be maintained without any additional cost to the city.

For the protection of that portion of the Sunset and Richmond Districts that are now lacking in water supply I would recommend that a reservoir of 5,000,000 gallons capacity be constructed at a suitable elevation in the Sunset District to supply the higher levels in that and the Richmond District and that suitable mains be laid to cover that entire district and crossing the Park to the Richmond District. The water to supply this area could be piped from the Clarendon Heights reservoir. If this were accomplished the serious problem of providing sufficient water for fire protection purposes in that portion of the city would be overcome, as the entire Sunset and a portion of the Richmond District would have an independent water supply amply sufficient for all purposes.

I would also suggest that a 12-inch pipe connection be made with the reservoir in Golden Gate Park at Grove and Stanyan streets and that hydrants be connected thereto on Stanyan and Fulton streets, as the Spring Valley Water Company's pressure is very low in that particular location.

In the district west of Thirty-second avenue and along Geary street I would recommend that a reservoir of 3,000,000 gallons capacity be constructed in Lincoln Park, to be supplied from the 10-inch main which the Park Commission has installed in Thirty-ninth avenue from Golden Gate Park to Lincoln

Park. The water to supply this reservoir could be obtained from the Murphy windmill in Golden Gate Park. If this arrangement could not be carried out a salt water supply could be obtained by the city running a main from the Olympic Salt Water Company's main on Geary street to the reservoir and having the water pumped thereto. Mains from the reservoir could be extended along Lake and Clement streets, thus insuring a sufficient supply and adequate pressure of water for fire protection purposes in the west Richmond district. Hydrants could be installed at available points along the line of these mains.

I would recommend that pipe connections be made to the large public water tank in the Mission Park at Nineteenth and Angelica streets, which would make this large amount of water available for fire purposes in case of necessity.

I would also recommend the extension of the fire limits so as to take in both sides of Sacramento street from Stockton street to Van Ness avenue; both sides of Van Ness avenue from Sacramento street to Golden Gate avenue; both sides of Golden Gate avenue from Van Ness avenue to Gough street; both sides of Gough street from Golden Gate avenue to Market street; thence along the center line of Market street to the intersection of Market and Guerrero streets; thence along the center line of Guerrero street to the intersection of the center line of Guerrero and Fourteenth streets; thence along the center line of Fourteenth street to the center of the intersection of Fourteenth and Valencia streets; thence along the center line of Valencia street to a point midway in the center of the block on Valencia street between Sixteenth and Seventeenth stre ts; thence easterly and parallel with Sixteenth street to the center line of Howard street; thence along the center line of Howard street northerly and easterly to the center line of Howard and Sixth streets.

I again renew my recommendation to extend the district in which is operated the street signal gong system warning traffic to cease on the approach of fire apparatus while responding to alarms of fire. This system is now in successful operation in Market street from Second to Sixth street and I favor the extension of the same from First to Ninth on Market street, also on Montgomery and Kearny streets from Market to California, Grant avenue from Market to Bush, Stockton street from Market to Post, Powell street from Market to Post and on First, Second, Third, Fourth, Fifth and Sixth streets from Market to Howard.

I would recommend that the mains of the high pressure auxiliary water system be extended along the following streets as soon as possible: Pacific avenue from Divisadero to Lyon, Baker street from Pacific avenue to Union street; Fillmore street from Pacific avenue to Filbert, Laguna street from Pacific avenue to Filbert, Sacramento street from Divisadero to Arguello Boulevard, Arguello Boulevard from Sacramento to Clement, Clement street from Arguello Boulevard to Twelfth avenue, Twenty-second street from Harrison to Wisconsin, Hyde street from California to Bay, Laguna street from Pacific avenue to Market street, Castro street from Eighteenth to Twenty-fifth street.

I desire to call attention to the fact that the large body of water known as Mountain Lake, which is situate on Government land in the upper part of the Richmond District, would be available for use in case of fire in that vicinity if an approach to the lake were built so as to allow our engines to reach the same for draughting purposes. I have been assured by the proper Government authorities that permission to use this water for that purpose would be granted. I would therefore recommend that steps be taken to have this runway or approach to the lake built.

I would also recommend that at least five hundred fire alarm boxes of the keyless door type be installed in different parts of the city and that the Department of Electricity proceed as soon as possible to place its entire wire system underground, as this would insure greater safety to the fire alarm system and less danger of wire trouble to the lines.

I would again urge the necessity of establishing a Bureau of Fire Prevention in connection with the department. The object of this bureau would be to minimize as much as possible the causes and conditions that are chiefly responsible for fires occurring and the safeguarding of the inmates of buildings, etc., by seeing that all ordinances pertaining to exits, fire escapes, etc., are strictly observed. This bureau should be under the immediate jurisdiction of one of the officers of the department, to whom all reports of violations of the fire ordinances should be referred for proper action. To properly carry out the work of this bureau will necessitate the personal inspection of all buildings in their respective districts by the Assistant Chiefs, Battalion Chiefs and Captains and Lieutenants of companies. Diagrams or drawings should also be made of all large mercantile and manufacturing establishments showing the location of all exits, fire escapes, stairways, elevator shafts, hose reels, standpipes, etc. Bureaus of a similar nature have been in operation in some of the larger eastern cities for some time and from reports received have proved most valuable adjuncts to the fire departments thereof. I therefore most urgently recommend that immediate steps be taken for the organization of such a bureau in this department as I feel confident that better results from a fire prevention point of view will result therefrom.

In view of the rapid conversion of the apparatus of the department from horse drawn to motor propelled, I believe that it will soon be necessary that steps be taken relative to a survey of the city from a fire protection point of view with the ultimate object of a relocation of the fire stations throughout the city which this change will naturally require. The curtailment in time consumed in responding to alarms of fire by this latter style of apparatus and the greater amount of territory that can be more efficiently covered will undoubtedly necessitate the redistricting of the city with a view to changing the locations of some of the companies of the department in order that the entire city may be more efficiently covered by the apparatus at the least possible cost. I would therefore recommend that this important matter be given the careful consideration it merits.

In view of the fact that the fire prevention and fire protection features of the recent Panama-Pacific International Exposition were under the supervision of this department during the period of the construction and operation of the Exposition, I deem it fitting to submit a brief summary of the services performed by that department, inasmuch as the same was officered and principally composed of regular members of this department.

The fire fighting force consisted of three engine companies, two truck companies, one chemical company and a flying squadron, consisting in all of ninety men when operated with the full equipment and but eighty men at the time of the close of the exposition. Forty-four alarms of fire were responded to by these companies while the exposition was under course of construction and prior to its formal opening, 62 alarms within the grounds and 4 outside during its progress, making a total of 110 alarms up to the time of its termination. The financial loss from fire during the construction period and the operation of the exposition, extending over a period of several years, did not exceed the sum of $250, which taking into consideration the exposed condition of the site and the inflammable nature of the buildings consisting of 443 structures, all frame with the exception of two, and covering a space of 635 acres, is remarkable to this department and the fire prevention methods adopted, more so in view of the fact that the losses from fire at the last two international expositions, namely St. Louis and Chicago, were $100,000 and $478,000 respectively, while these two expositions were in operation for but six months as against nine and one-half months for the recent exposition.

In conclusion I desire to extend my sincere thanks to your Honorable Board for the active and untiring interest always manifested by you in matters

pertaining to the efficiency and advancement of the department, and I also desire to express my thanks and appreciation to the officers and members of the department for the commendable manner in which they have performed their required duties during the past fiscal year.

To his Honor, the Mayor, the heads of the different departments of the municipality, the Chief of Police and the members of his force, Fire Marshal Towe and Superintendent Comstock of the Underwriters Fire Patrol, Chief Barry of the Department of Electricity, City Engineer O'Shaughnessy and his assistants and the attaches of the Architects office I also desire to extend my thanks in appreciation of the valuable assistance they have rendered this department whenever the opportunity presented itself.

Respectfully submitted,

THOS. R. MURPHY,
Chief Engineer, S. F. F. D.

Report of the Board of Fire Pension Fund Commissioners

San Francisco, July 22, 1916.

Hon. James Rolph, Jr.,
Mayor of the City and County of San Francisco, California.

Sir:—In compliance with the provisions of Article XVI, Section IX, of the Charter of the City and County of San Francisco, the Board of Fire Pension Fund Commissioners herewith present and submit their report for the fiscal year ending June 30th, 1916.

ORGANIZATION.

The Board of Fire Pension Fund Commissioners as now constituted consists of four members and a secretary, namely:

FRANK C. SYKES	Term expires January 8th, 1917
JOHN T. FOGARTY	Term expires January 8th, 1918
TILLMAN R. HERRING	Term expires January 8th, 1919
JOHN F. DAVIS	Term expires January 8th, 1920
H. L. KEEFE	Secretary

During the year the following named members of the Fire Department were retired on pension, under the provisions of Article 9, Chapter 7, Section 3 of the Charter, namely:

Emile Gouvi, Hoseman, Engine Company No. 36. Pensioned July 13th, effective August 1st, 1915.

Henry H. Casey, Truckman, Truck Company No. 6. Pensioned August 3rd, effective August 4th, 1915.

William Schultz, Captain Truck Company No. 11. Pensioned September 29th, effective October 1st, 1915.

Thomas Walsh, Hoseman, Engine Company No. 33. Pensioned November 11th, effective November 15th, 1915.

N. N. Mathewson, Lieutenant, Engine Company No. 33. Pensioned November 11th, effective November 15th, 1915.

John Finnigan, Hoseman, Engine Company No. 33. Pensioned November 11th, effective November 15th, 1915.

Daniel J. Coughlin, Hoseman, Engine Company No. 31. Pensioned December 16th, 1915, effective January 1st, 1916.

Martin Burns, Hoseman, Engine Company No. 8. Pensioned December 16th, 1915, effective January 1st, 1916.

Wills E. Gallatin, Captain, Chemical Engine No. 5. Pensioned April 13th, effective May 16th, 1916.

Thomas Coogan, Engineer, Engine Company No. 27. Pensioned May 11th, effective May 16th, 1916.

William Shackleton, Driver, Truck Company No. 4. Pensioned June 1st, effective June 2nd, 1916.

Hugh P. Powers, Captain, Chemical Company No. 10. Pensioned June 8th, effective July 1st, 1916.

William Crowhall, Hoseman, Engine Company No. 18. Pensioned June 29th, effective July 1st, 1916.

Maurice Cunningham, Truckman, Truck Company No. 9. Pensioned June 29th, effective July 1st, 1916. (Pensioned under Section 4.)

During the year the following named members of the Fire Department were pensioned for disability, under the provisions of Article 9, Chapter 7, Section 4, namely:

John Buker, Truckman, Truck Company No. 4. Pensioned July 6th, effective August 1st, 1915.

Charles Neil, Hoseman, Engine Company No. 30. Pensioned July 6th, effective August 1st, 1915.

D. J. Riordan, Hoseman, Engine Company No. 36. Pensioned July 13th, effective August 1st, 1915.

Percy J. Creede, Lieutenant, Truck Company No. 1. Pensioned August 3rd, effective August 4th, 1915.

William J. Hart, Hoseman, Engine Company No. 48. Pensioned August 3rd, effective August 4th, 1915.

Joseph Morse, Hoseman, Engine Company No. 32. Pensioned August 3rd, effective August 4th, 1915.

James Koopman, Hoseman, Engine Company No. 3. Pensioned October 5th, effective October 6th, 1915.

Patrick D. Hughes, Engineer, Engine Company No. 39. Pensioned November 26th, effective December 1st, 1915.

Edward McDermott, Hoseman, Engine Company No. 22. Pensioned April 3rd, effective April 4th, 1916.

John T. O'Donnell, Truckman, Truck Company No. 9. Pensioned May 11th, effective May 16th, 1916.

James P. Britt, Battalion Chief. Pensioned June 8th, effective July 1st, 1916.

During the year the following widows and parents of firemen were pensioned under the provisions of Article 9, Chapter 7, Section 5, namely:

Mrs. Addie Ellenberger, widow of Frederick A. Ellenberger. Pensioned July 6th, effective from July 1st, 1915.

Mrs. William King, widow of William King. Pensioned August 3rd, effective from August 1st, 1915.

Henrietta Titus, widow of John Titus. Pensioned October 11th, effective from July 2, 1915, the date of death of John Titus.

Mrs. Julia Mulcahy, mother of Dennis Mulcahy, who was killed in the discharge of duty on November 7th, 1915. Pensioned November 11th, effective from November 8th, 1915.

Mrs. Mary Magner, widow of Thomas Magner. Pensioned May 11th, effective from March 3rd, 1916, the date of application of Mrs. Magner for a pension.

Mrs. Helen E. Corwell, widow of Joseph Corwell. Pensioned June 29th, effective from June 12th, 1916, the date of death of Joseph Corwell.

Mrs. Nellie Jones, widow of Thomas P. Jones. Pensioned July 6th, effective from June 8th, 1916.

LIST OF PENSIONERS JULY 1st, 1915, TO JUNE 30th, 1916.

NAME.	Pension Effective.	Amount per Quarter.
Bell, Charles	February 14, 1892	$135.00
O'Neil, John	April 23, 1892	135.00
Fleming, P. H.	October 29, 1892	210.00
Finn, D. A.	January 14, 1893	135.00
Robinet, H. J.	July 28, 1894	135.00
O'Sullivan, Edward	September 14, 1899	135.00
Murphy, John J.	November 9, 1899	210.00
Desmond, Felix P.	November 16, 1899	135 00
Sweeny, Mrs. Jennie	July 1, 1900	120.00
Crummy, John T.	November 1, 1900	120.00
Wolf, Joseph	January 10, 1901	120.00
Barry, Patrick	April 1, 1901	150.00
McGibbon, James A.	March 6, 1903	150.00
Mahoney, John J.	June 1, 1902	180.00
Nagle, Mrs. Eliza J.	September 1, 1902	150.00
Heffernan, Mrs. Marion	October 1, 1902	150.00
Cumisky, James	November 1, 1902	150.00
Browne, Robert T.	April 1, 1903	180.00
Bearwald, Mrs. Ray	June 1, 1903	150.00
Holmes, Mrs. Mary	December 1, 1903	180.00
Sawyer, Robert H.	June 1, 1904	180.00
Harrington, Mrs. Emma	October 1, 1904	150.00
Dougherty, Mrs. Sarah	October 1, 1904	168.75
Allen, John	January 1, 1906	150.00
Ewing, George	January 1, 1906	180.00
Sullivan, Mrs. Jennie	February 1, 1906	150.00
Dakin, Mrs. Francis	February 1, 1906	180.00
Hennessy, Mrs. Nellie	February 1, 1906	150.00
Reilly, J. W.	April 30, 1906	225.00
Kenny, John	April 30, 1906	180.00
O'Neill, Mrs. Mary	May 11, 1906	135.00
Sullivan, Mrs. Margaret	May 18, 1906	499.95
Smith, Mrs. Nora	September 7, 1906	135.00
Lennon, Edward P.	November 1, 1906	150.00
Woods, Gabriel	December 1, 1906	150.00
Harrison, David	January 1, 1907	180.00
Stevens, Joseph	January 16, 1907	150.00
Boyson, George M.	March 1, 1907	150.00
O'Brien, Maurice J.	July 1, 1907	150.00
Fernandez, T. M.	July 1, 1907	262.50
Canty, Thomas	July 1, 1908	180.00
Carew, George	August 16, 1908	232.50
Wells, George F.	July 16, 1908	180.00
Franks, Mrs. Nellie	August 1, 1908	150.00
Balk, Stephen S.	November 1, 1908	180.00
Kelly, William E.	December 1, 1908	232.50
Donnelly, Bernard	January 1, 1909	180.00
Lyons, Mrs. Teresa	March 5, 1909	180.00
Schmidt, Henry	April 16, 1909	232.50
Garety, Mary I.*	July 1, 1909	180.00
Ford, John J.	July 1, 1909	180.00
Cuneo, Rinaldo	July 1, 1909	180.00
Waters, William D.	January 16, 1910	337.50
Shaughnessy, Patrick H.	March 16, 1910	624.99
McKittrick, Edward F.	March 16, 1910	337.50
Riley, Mrs. Maria	June 4, 1909	150.00
McCarthy, Mrs. Mary	March 16, 1910	180.00
Roberts, Mrs. Helena M.	April 2, 1910	180.00
Mitchell, John	July 1, 1910	180.00
Florance, Alfred	July 1, 1910	180.00
Banker, August	July 1, 1910	180.00
Horn, Henry F.	July 1, 1910	337.50
Reimers, J.	July 1, 1910	180.00
Hayden, Mrs. Sarah	July 1, 1910	180.00
Smith, Charles F.	July 8, 1910	180.00
Gorter, Henry H.	August 1, 1910	337.50

* Garety-Conlin, Mrs. Mary I, guardian for Johnson Minors.

LIST OF PENSIONERS JULY 1st, 1915, TO JUNE 30th, 1916—Contd.

NAME.	Pension Effective.	Amount per Quarter.
Wright, Mrs. Anna	April 4, 1910	180.00
Dougherty, Gabrielle	May 1, 1911	150.00
Connell, Cornelius	August 1, 1911	180.00
Casebolt, William S.	July 16, 1911	210.00
Buckley, Mrs. Anna	June 1, 1911	180.00
Wilkinson, Mrs. Hannah	August 1, 1911	135.00
Henrikson, Albert	March 1, 1912	180.00
Ahearn, Mrs. Teresa	March 18, 1912	180.00
Pendergast, John	April 2, 1912	213.75
Barbetta, Nicholas	May 1, 1912	180.00
Miskel, Mrs. Minnie	June 26, 1912	232.50
Raffestin, Mrs. Jessie	January 6, 1912	180.00
McCluskey, John	July 1, 1912	337.50
Farley, Mrs. Annie	September 1, 1912	337.50
Sawyer, Joseph	July 1, 1912	150.00
Currier, Ben F.	July 1, 1912	180.00
Dolan, M. J.	August 1, 1912	450.00
Hall, Mrs. Mary B.	August 1, 1912	210.00
Rapp, Mrs. G.	August 23, 1912	150.00
Roebling, Wm. A.	November 1. 1912	180.00
Brown, Matthew	November 1. 1912	180.00
Thompson, Jos. F.†	December 1, 1912	165.00
Ballantine, Lawrence	January 1, 1913	180.00
Wonderlich, Wm.	January 1, 1913	180.00
Hewitt, Chas. F.	January 18. 1913	210.00
Holmes, Howard	April 22, 1913	213.75
McDonald, George	July 1, 1913	180.00
Wills, John	July 1, 1913	337.50
Arata, Guiseppe and Rosa (Parents of John Arata)	July 1, 1913	180.00
Castillo, Leo M.	July 7, 1913	180.00
Barricks, Louis H.	August 1, 1913	210.00
O'Brien, Michael	November 1, 1913	337.50
Murphy, Edward J.	November 1, 1913	180.00
Kennard, Samuel E.	January 1, 1914	232.50
Tyrrell, Jas. J.	January 1, 1914	180.00
Gerlach, Frederick C.	January 1, 1914	180.00
Girot, Mrs. Margaret E.	February 1, 1914	180.00
Jordan, Frank	February 1, 1914	180.00
Dever, J. H.	March 1, 1914	232.50
Lavaroni, John	April 1, 1914	213.75
Rogers, Chas. B.	May 1, 1914	180.00
Meacham, Mrs. L. V.	July 1, 1914	213.75
Niefer, Mrs. Teresa C.	July 6, 1914	180.00
Allen, R. J.	August 1, 1914	213.75
O'Connor, Eugene	August 1, 1914	232.50
Dugan, P. F.	September 4, 1914	232.50
Conniff, James	September 18, 1914	232.50
O'Neil, Mrs. Margaret	October 1, 1914	232.50
O'Connell, Mrs. Mary E.	October 1, 1914	210.00
Carew, Mrs. Sarah	October 1, 1914	232.50
Conroy, Mrs. Delia	February 1, 1915	232.50
Brownell, Claude	May 1, 1915	213.75
Ellenberger, Mrs. Addie	July 6, 1915	232.50
Buker, John	July 6, 1915	180.00
Neil, Charles	July 6, 1915	180.00
Gouvi, Emile	July 13, 1915	180.00
Riordan, D. J.	July 13, 1915	180.00
King, Mrs. William	August 3, 1915	150.00
Morse, Joseph	August 3, 1915	180.00
Casey, Henry H.	August 3, 1915	180.00
Hart, Wm. J.	August 3, 1915	180.00

† Joseph F. Thompson, returned to active duty in the Department May 1st, 1915, was restored to the pension list, as his disability still existed.

LIST OF PENSIONERS JULY 1st, 1915, TO JUNE 30th, 1916—Contd.

NAME.	Pension Effective.	Amount per Quarter.
Schultz, Wm.	September 29, 1915	232.50
Koopman, James	October 5, 1915	180.00
Titus, Mrs. Henrietta †	October 11, 1915	180.00
Mulcahy, Mrs. Julia	November 11, 1915	180.00
Walsh, Thomas R.	November 11, 1915	180.00
Matthewson, N. N.	November 11, 1915	213.75
Finnigan, John T.	November 11, 1915	180.00
Hughes, P. D.	November 26, 1915	210.00
Coughlin, D. J.	December 16, 1915	180.00
Burns, Martin	December 16, 1915	180.00
McDermott, Edward	April 3, 1916	180.00
Gallatin, Wills E.	April 13, 1916	232.50
Coogan, Thomas J.	May 11, 1916	210.00
O'Donnell, John T.	May 11, 1916	180.00
Magner, Mrs. Mary	May 11, 1916	232.50
Shackleton, William	June 1, 1916	180.00
Corwell, Mrs. Helen E.	June 29, 1916	180.00
Crowhall, William	June 29, 1916	180.00
Britt, James P.	June 8, 1916	337.50
Powers, Hugh P.	June 8, 1916	232.50
Jones, Mrs. Nellie	June 8, 1916	180.00

† Titus, Mrs. Henrietta. M. J. White is the Trustee in charge of the distribution of this pension.

During the year the following deaths occurred:

Thomas Barry	Died July 15, 1915
Louis Kiehl	Died July 10, 1915
John Fay	Died July 9, 1915
James Grady	Died Nov. 2, 1915
Hugh McCue	Died Jan. 21, 1916
Michael Ryan	Died Jan. 24, 1916
Percy J. Creede	Died April 18, 1916
Wm. A. Serens	Died May 11, 1916

APPROPRIATIONS AND EXPENDITURES.

Appropriated by the Board of Supervisors July 1, 1915	$105,000.00
Surplus from Fiscal Year 1914-15	1,512.87
Total	$106,512.87

PENSIONS PAYABLE.

First Quarter ending September 30, 1915	$25,247.69	
Second Quarter ending December 31, 1915	26,904.34	
Third Quarter ending March 31, 1916	27,315.69	
Fourth Quarter ending June 30, 1916	27,861.29	
Salary of Secretary, Printing, Stationery, etc.	600.00	
		107,929.01

Respectfully submitted,

H. L. KEEFE,

Secretary, Board of Fire Pension Fund Commissioners.

Report of Civil Service Commissioners

San Francisco, July 31, 1916.

To His Honor, the Mayor.

Sir:

In accordance with the provisions of Section 9, Article XVI of the Charter, the Civil Service Commissioners present herewith a report of the operations of their department for the fiscal year ended June 30, 1916.

During said fiscal year the Commission held fifty-two regular meetings and one hundred and ten special meetings. The applications of one hundred and fifty-two laborers were registered, and twenty examinations were held in which a total of twenty-three hundred and sixty-three applicants were examined.

The following is a schedule of the examinations held:

Name of Examination	Date 1915	Filed	Examined	Passed	Failed
Inspectors of Streets and Sewers	July 24	70	64	11	53
Waiters	Aug. 2	8	8	5	3
Waitresses	Aug. 2	10	10	5	5
Kitchen Helpers	Aug. 2	5	5	2	3
Tenement House Inspectors	Aug. 4	123	106	2	104
Batterymen	Aug. 11	27	27	20	7
Superintendent of Fire Engines, Fire Department	Aug. 18	19	13	1	12
Superintendent of High Pressure System, Fire Department	Aug. 19	10	8	6	2
Copyists	Oct. 30	59	55	16	39
	1916				
Corporals of Police	Jan. 8	379	358	97	261
Sergeants of Police	Feb. 5	39	38	30	8
Chauffeurs	Feb. 11	347	327	45	282
Lieutenants of Police	Mar. 4	53	51	(a)	(a)
Janitors	Mar. 9	1308	1222	(a)	(a)
Captains of Police	April 1	9	9	(a)	(a)
Photographers	April 6	8	7	2	5
Photostat Operators	April 13	4	4	3	1
Blueprinters	April 20	9	8	2	6
Chief Sanitary Inspector	May 10	11	11	3	8
Stenographer-typewriters (male)	May 18-19	35	32	10	22

(a) Rating of papers not yet completed.

The scopes of the foregoing examinations were as follows:

Inspectors of Streets and Sewers:

Subject.	Weight.
Arithmetic and Mensuration	20
Elements of Plane Surveying and Leveling	10
Specifications and Materials of Construction	35
General Knowledge of Duties	20
General Experience	10
Local Experience	5
Total weight	100

Tenement House Inspectors:

Personality and Fitness (including experience, education, personal history, habits, age, address, appearance and bearing)	30
General Knowledge of Duties	35
Writing of Reports	20
Arithmetic	15
Total weight	100

Batterymen:

Experience	25
Physical Fitness	25
General Knowledge of Duties	35
Writing of Report	15
Total weight	100

Superintendent of Fire Engines, Fire Department:

Personality and Fitness (including education, personal history, habits, age, physical appearance and address)	15
Experience	25
Knowledge of the strength of materials, distribution of metals, application of materials of construction, and mathematical calculations	10
Knowledge of combustion motors, their design, construction, operation, repairs, adjustment, and maintenance	20
Knowledge of steam boilers, steam engines, steam turbines, reciprocating and centrifugal pumps	10
Knowledge of the construction and operation of hydraulic apparatus	10
Specifications, estimates, freehand dimensioned sketches, cost data and reports	10
Total weight	100

Superintendent of High Pressure System, Fire Department:

Personality and Fitness (including education, personal history, habits, age, physical appearance and address)	15
Experience	25
Knowledge of construction, care and maintenance of the San Francisco High Pressure System	20
Knowledge of the construction and installation of steel, concrete and masonry structures, such as tanks, reservoirs, cisterns, etc.	5

Subject.	Weight.
Superintendent of High Pressure System, Fire Department—Continued	
Hydraulic Engineering (including construction and installation of street mains and water distributing service)	15
Mechanical Engineering (including designing and fabrication of pipes, fittings, valves, and accessories, and their maintenance	10
Specifications, estimates, freehand dimensional sketches, cost data and reports	10
Total weight	100
Copyists:	
Copying with Book Recording Typewriter	50
Copying from Rough Draft	15
Copying from Plain Copy	5
Penmanship	10
Experience	20
Total weight	100
Corporals of Police:	
General Knowledge of Duties	50
Writing of Reports	25
Arithmetic	5
Seniority of Service	10
Meritorious Public Service	10
Total weight	100
Sergeants of Police:	
General Knowledge of Duties	50
Writing of Reports	25
Arithmetic	5
Seniority of Service	5
Experience as a Corporal	5
Meritorious Public Service	10
Total weight	100
Chauffeurs:	
Physical Fitness (including age, sight, hearing and general physical fitness)	30
Experience	35
General Knowledge of Duties	35
Total weight	100
Lieutenants of Police:	
General Knowledge of Duties	50
Writing of Report	20
Arithmetic	5
Seniority in Service	10
Experience as a Sergeant	5
Meritorious Public Service	10
Total weight	100

Subject.	Weight.
Captains of Police:	
General Knowledge of Duties	50
Writing of Report	20
Arithmetic	5
Seniority in Service	10
Experience as a Lieutenant	5
Meritorious Public Service	10
Total weight	100
Photographers:	
Commercial Photography	30
Developing and Printing	20
Enlargements, Transparencies, Lantern Slides	15
Flash Light Exposures	5
Letter Writing	10
Experience	20
Total weight	100
Photostat Operators.	
Practical Questions on Photostat Operation	40
Practical Questions on Commercial Photography	10
Letter Writing (on some phase of photostat work)	10
Experience	40
Total weight	100
Blueprinters:	
Practical Questions on Commercial Blueprinting	20
Practical Blueprinting Tests	60
Experience (special and general)	20
Total weight	100
Chief Sanitary Inspector:	
Personality and Fitness (including education, personal history, habits, age, physical appearance and address)	20
Experience in Sanitation	20
Knowledge of Sanitation	25
Knowledge of Health Laws and Ordinances	15
Knowledge of Communicable and Industrial Diseases	20
Total weight	100
Stenographer-typewriters (Male):	
Stenography	50
Typewriting	20
Letter Writing and Arithmetic	10
Experience	20
Total weight	100

In the non-educational examinations for Waiters, Waitresses and Kitchen Helpers, the subjects and weights on a scale of 100 were:

Subject.	Weight.
Physical Fitness	40
Experience	60

In the non-educational examination for Janitors, the subjects and weights on a scale of 100 were:

Subject.	Weight.
Physical Qualifications	40
Experience	30
Aptitude and Fitness	30

The following examinations were advertised to take place on the dates indicated, but the Commission has been restrained by the Superior Court from holding them:

Name of Examination.	Date
Market Inspectors	Jan. 15, 1916
Foremen Hydrantmen, High Pressure System	Apr. 27, 1916
Hydrantmen, High Pressure System	May 4, 1916

The point raised against the Commission in the Market Inspectors' examination is that the Commission exceeds its authority by allowing credits for experience had as veterinarian, notwithstanding the fact that the Commission has also allowed similar credits for experience had as journeyman butcher. The point raised in connection with the examination for Hydrantmen and Foremen Hydrantmen is similar, the right of the Commission to allow credits for experience had in various trades, as well as for experience had as Hydrantmen, being questioned.

The Commission also advertised an examination to be held May 31, 1916, for Structural Engineers, but has postponed the date for the purpose of revising the scope.

Injunctions were issued against the Commission by the Superior Court restraining it from announcing the eligible lists of Corporals, Lieutenants and Captains, Police Department, to be created from the above mentioned examinations for these classes. The principal point involved in this case was the right of the Commission to remove the names from the old eligible lists under the two year law without hearing.

From July 1, 1915, to June 30, 1916, twelve hundred and forty-two certifications covering both permanent and temporary appointments were made by the Commission as follows:

Department.	Class.	Number Certified.	
Assessor—			
	General Clerks	163	163
Auditor—			
	Copyists	1	
	General Clerks	17	
	Ordinary Clerks	36	54
Board of Health—			
	Chauffeurs	4	
	Cooks	5	
	Engineers of Stationary Steam Engines	2	
	Firemen of Stationery Steam Engines	1	

	Number Certified	
Board of Health—Continued		
General Clerks	1	
Graduate Nurses	26	
Health Inspectresses of Schools	1	
Hospital Stewards	7	
Laborers	2	
Laundryworkers	3	
Matrons	1	
Ordinary Clerks	1	
Pharmacists	1	
Seamstresses	1	
Telephone Operators	3	
Tenement House Inspectors	2	
Waiters	1	
Waitresses	3	
Watchmen	5	
	——	70
Board of Public Works—		
Asphaltworkers	11	
Bricklayers	9	
Carpenters	13	
Car Repairers	5	
Carriage and Wagon Painters	5	
Cement Finishers	5	
Cement Finishers' Helpers	10	
Chauffeurs	1	
Conductors, Municipal Railways	45	
Cribbers	5	
Elevator Operators	4	
Engineering Chemists	1	
Engineers of Hoisting and Portable Engines	1	
Engineers of Stationary Steam Engines	3	
Engineers of Steam Rollers	1	
Firemen of Stationary Steam Engines	4	
General Clerks	5	
Glaziers	1	
Granite Cutters	4	
Inside Wiremen	2	
Inspectors, Municipal Railways	5	
Inspectors of Buildings	1	
Inspectors of Streets and Sewers	10	
Janitors	8	
Laborers	144	
Linemen	5	
Machinists	2	
Motormen, Municipal Railways	35	
Ordinary Clerks	3	
Painters	11	
Pavers	2	
Plumbers	7	
Quarry Drillers	3	
Railroad Trackmen	35	
Rammers	3	
Ship and Machine Blacksmiths	1	

	Number Certified	
Board of Public Works—Continued		
Steam Fitters	1	
Stenographer-Typewriters	2	
Surveyors' Field Assistants	4	
Telephone Operators	2	
Tinners	6	
Tinners' Helpers	1	
Watchmen	12	
		438
Board of Supervisors—		
Stenographer-Typewriters	1	
Telephone Operators	5	
		6
Civil Service Commission—		
General Clerks	5	
Stenographer-Typewriters	2	
		7
County Clerk—		
Copyists	3	
		3
Department of Electricity—		
Batterymen	1	
General Clerks	1	
Inspectors	1	
Instrument Makers	1	
Laborers	9	
Linemen	12	
Telephone Operators	2	
		27
Election Commission—		
General Clerks	126	
Laborers	7	
Ordinary Clerks	71	
Stenographer-typewriters	1	
		205
Fire Commission—		
Captains	10	
Engineers of Fire Engines	8	
Engineers of Stationary Steam Engines	2	
Firemen (Div. E., Class I)	85	
Firemen of Stationary Steam Engines	3	
Hostlers	2	
Lieutenants	16	
Marine Stokers	1	
Superintendent of Engines	1	
Superintendent of High Pressure System	1	
Watchmen	1	
		130

Justices' Clerk—	Number	Certified
General Clerk	1	
		1

Police Commission—		
Chauffeurs	2	
Corporals	21	
Lieutenants	2	
Policemen	17	
Sergeants	5	
Telephone Operators	3	
Women Protective Officers	3	
		53

Sheriff—		
Deputies	1	
Jailers	6	
		7

Tax Collector—		
General Clerks	50	
Ordinary Clerks	28	
		78

The following is a list, by departments and classes, of Civil Service employes who have received appointment through Civil Service examination and were in the employ of the city on June 30, 1916:

Department. Class.	Number Employed.	
Assessor—		
General Clerks	23	23

Auditor—		
Assistant Deputies	2	
Copyists	1	
Experienced Clerks	8	
Ordinary Clerks	4	
Stenographer-typewriters	1	
Telephone Operators	1	
		17

Board of Health—	
Ambulance Drivers	15
Butchers	1
Chauffeurs	4
Chemists	1
Chief Plumbing Inspector	1
Cooks	14
Dairy Inspectors	2
Disinfectors	2
Elevator Operators	3
Engineers of Stationary Steam Engines	7
Experienced Clerks	8
Farmers	2

Board of Health—Continued	Number Employed	
Firemen of Stationary Steam Engines	4	
Food Inspectors	2	
Gardeners	2	
General Clerks	4	
Graduate Nurses	52	
Health Inspectresses of Schools	8	
Health Officer	1	
Hospital Stewards	34	
Industrial Inspectors	1	
Laboratory Assistants and Apprentices	1	
Laborers	2	
Laundryworkers	9	
Market Inspectors	9	
Matrons	7	
Pantry Workers and Waiters	8	
Pharmacists	1	
Plumbing Inspectors	5	
Sanitary Inspectors	7	
Seamstresses	4	
Stenographer-typewriters	7	
Superintendent of the Almshouse	1	
Superintendent, San Francisco Hospital	1	
Telephone Operators	6	
Tenement House Inspectors	2	
Veterinarians	5	
Waiters	1	
Waitresses	3	
Watchmen	10	
	——	257

Board of Public Works—		
Asphaltworkers	71	
Assistant Civil Engineers	32	
Blacksmiths	2	
Blacksmiths' Helpers	2	
Bookkeepers	2	
Bricklayers	10	
Carpenters	28	
Carpenters' Helpers	2	
Car Repairers	29	
Carriage and Wagon Painters	13	
Cement Finishers	6	
Cement Finishers' Helpers	7	
Chauffeurs	3	
Conductors, Municipal Railways	272	
Cribbers	22	
Elevator Operators	18	
Engineering Chemists	1	
Engineering Draughtsmen	22	
Engineers of Hoisting and Portable Engines	7	
Engineers of Stationary Steam Engines	14	
Engineers of Steam Rollers	5	
Experienced Clerks	26	
Firemen of Stationary Steam Engines	6	
General Clerks	14	

Board of Public Works—Continued	Number Employed	
Glaziers	2	
Granite Cutters	18	
Hodcarriers	8	
Inside Wiremen	4	
Inspectors, Municipal Railways	16	
Inspectors of Buildings	17	
Inspectors of Complaints	2	
Inspectors of Side Sewers	1	
Inspectors of Streets and Sewers	52	
Janitors	47	
Laborers	356	
Linemen	3	
Locksmiths	2	
Machinists	3	
Messengers	1	
Motormen, Municipal Railways	270	
Office Deputies	1	
Ordinary Clerks	4	
Painters	20	
Pavers	32	
Plumbers	15	
Quarry Drillers	10	
Railroad Trackmen	69	
Rammers	21	
Sewer Cleaners	15	
Ship and Machine Blacksmiths	4	
Ship and Machine Blacksmiths' Helpers	2	
Sidesewermen	33	
Steam Fitters	2	
Stenographer-typewriters	17	
Street Sweepers	146	
Superintendent of Stone Pavements	1	
Surveyors	9	
Surveyors' Field Assistants	47	
Telephone Operators	5	
Tinners	9	
Tinners' Helpers	4	
Watchmen	38	
		1920

Board of Supervisors—		
Stenographer-typewriters	1	
Telephone Operators	4	
		5

Civil Service Commission—		
General Clerks	2	
Stenographer-typewriters	3	
		5

County Clerk—		
Copyists	6	
		6

Department of Electricity—	Number Employed	
Batterymen	1	
Fire Alarm Operators	9	
General Clerks	1	
Hostlers	1	
Inspectors	6	
Instrument Makers	7	
Laborers	4	
Linemen	23	
Machinists	1	
Ordinary Clerks	1	
Painters	1	
Repairers	2	
Splicers	1	
Stenographer-typewriters	1	
Telephone Operators	4	
		63
Election Commission—		
Carpenters	1	
Deputies	8	
Ordinary Clerks	45	
Stenographer-typewriters	3	
Watchmen	1	
		58
Fire Commission—		
Assistant Chief Engineers	2	
Battalion Chiefs	11	
Blacksmiths	3	
Blacksmiths' Helpers	3	
Boilermakers	2	
Boilermakers' Helpers	2	
Captains	64	
Carriage, Wagon and Automobile Woodworkers	2	
Carriage and Wagon Painters	2	
Engineers of Fire Engines	34	
Engineers of Stationary Steam Engines	7	
Firemen (Div. E., Class I)	513	
Firemen of Stationary Steam Engines	7	
Harnessmakers	2	
Horseshoers	4	
Hostlers	7	
Hydrantmen	3	
Laborers	3	
Lieutenants	78	
Machinists	5	
Marine Engineers	8	
Marine Stokers	8	
Patternmakers	1	
Pilots	4	
Pipe Calkers	1	
Steamfitters	1	
Stenographer-typewriters	1	
Superintendent of Engines	1	
Superintendent of High Pressure System	1	
Watchmen	4	
		754

Fire Pension Fund Commission—	Number	Employed
Secretary	1	
		1
Justices' Clerk—		
General Clerk	1	
		1
Police Commission—		
Captains	10	
Chauffeurs	4	
Cooks	1	
Corporals	55	
Hostlers	9	
Lieutenants	18	
Marine Engineers of Gasoline Engines	3	
Matrons	4	
Policemen	593	
Police Patrol Drivers	23	
Secretary	1	
Sergeants	68	
Stenographer-typewriters	2	
Telephone Operators	4	
Women Protective Officers	3	
		798
Police Courts—		
Court Stenographers	4	
		4
Recorder—		
Machinist	1	
		1
Sheriff—		
Cooks	1	
Deputies	3	
Jailers	12	
Matrons	1	
Stenographer-typewriters	1	
		18
Tax Collector—		
Deputies	28	
General Clerks	4	
Ordinary Clerks	1	
Stenographer-typewriters	1	
		34

The total number of city employes under Civil Service on June 30, 1916, including those that came under Civil Service by Charter provision, was forty-six hundred and thirty-one. Of this number thirty-nine hundred and sixty-five received appointment through Civil Service examination. In addition, several hundred temporary positions are filled each year by Civil Service clerks, mechanics and laborers.

From July 1, 1915, to June 30, 1916, the Commission checked and approved six hundred and ninety-six payrolls, containing an aggregate of seventy thousand four hundred and sixty-three items.

Accompanying this report is a booklet (publication No. 15), containing our rules and classifications as in effect June 30, 1916.

Yours respectfully,

E. A. WALCOTT,
Commissioner.

B. B. ROSENTHAL,
Commissioner.

JNO. J. O'TOOLE,
President.

Attest: JAS. J. MAHER,
Chief Examiner and Secretary.

Treasurer's Report

San Francisco, Cal., June 30, 1916.

Hon. James Rolph, Jr.,
Mayor of the City and County of San Francisco.

Dear Sir:—I herewith submit the Treasurer's Annual Report for the fiscal year of 1915-16.

Respectfully yours,

JOHN E. McDOUGALD,
City and County Treasurer.

TREASURER'S RECEIPTS AND EXPENDITURES.

Funds or Accounts and Information	Receipts	Extension	Transfers Permanent Resolution Loan	Total Credits	Disbursements	Transfers Permanent Resolution Loan	Total Debits
Balance Cash on Hand per last Annual Report of June 30, 1915				9,958,784.40			
GENERAL							
Taxes		7,481,252.79					
City and County Licenses		1,237,720.00					
Police Court Fines, Dept. No. 1	6,222.00						
Police Court Fines, Dept. No. 2	5,870.00						
Police Court Fines, Dept. No. 3	5,360.00						
Police Court Fines, Dept. No. 4	6,295.00						
		23,747.00					
Superior Court Fines		250.00					
House Building Permits		28,029.50					
Bill Posting Permits		181.00					
Mayor: Net Rental, City Property		21,908.31					
Recorder: Desk Rentals		560.00					
Treasurer: Interest on Bank Deposits		92,101.69					
Auditor: State Lunacy Commission		370.00					
Coroner: Money found on Decedents		102.85					
Board of Health: Refund of Motor Fees and Licenses		128.20					
San Francisco Hospital:							
Maintenance and Sundries	376.07						
Unclaimed Wages	284.73						
		660.80					

Relief Home: Maintenance and Sundries		2,387.39					
Isolation Hospital		81.00					
Juvenile Court: Collections from parents for maintenance and sundries		7,460.68					
Board of Fire Commissioners: Electric Current Sold U. S. Govt.—Fort Mason	1,419.04						
Electric Current Sold Eaton & Smith	12.67						
Damage to the Hydrants and Fire Hose	101.90						
Whitcomb Estate, account Oil	39.33						
Water Test	6.22						
Refund—Error Pay Roll	66.65						
		1,645.81					
Sheriff: Subsistence U. S. Prisoners		3,572.00					
Mayor: Net proceeds sales as below from Sundry Departments authorized by Resolutions of Board of Supervisors—							
Health Dept.:							
4 Horses	92.15						
6 Wagons	130.63						
		222.78					
Sale of Old Buildings, Etc. Sundry Shacks on Folsom St., etc., per Res. No. 1965	686.38						
Church St. Shacks per Res. No. 1953	2,279.52						
(Note: Transferred elsewhere herein to Municipal Ry. Fund)							
Shack 278 Harriett St.	42.75						

TREASURER'S RECEIPTS AND EXPENDITURES—Continued

Funds or Accounts and Information	Receipts	Extension	Transfers Permanent Resolution Loan	Total Credits	Disbursements	Transfers Permanent Resolution Loan	Total Debits
School Dept.:							
2 frame buildings	53.20						
Cottage rear Bernal School	19.00						
		3,080.85					
Corporation Yard — Board of Public Works:							
Engines, Pumps, Boilers, etc., per Res. No. 1746		79.33					
Sheriff: 4 Horses		72.20					
Fire Dept.:							
2 old Horses	128.25						
1 lot of old Horse Shoes	99.75						
		494.95					
5 Horses	266.95						
Dept. Electricity: Sundry old material, 17 Items		257.22					
Police Dept.: Old Iron Cupola frame, 14 Horses		491.63					
Street Cleaning Dept.: 1 Studebaker Runabout		76.00					
Board of Supervisors:							
Sales copies City Engineer's Report on Underground Water Supply	5.00						
Sales copies B. J. Arnold's Report on Transportation	9.00						

Sales copies Book of Ordinances	113.00							
Refund from Ford Motor Co. 9 cars @ $50 each	450.00							
Burial J. W. Richardson, old Soldier, Alameda Co.	50.00							
Unexpended Balance Finance Com. trip to Sacramento	1.15							
Damages to Third St. Bridge	20.00							
		648.15						
Franchise Percentages:								
United Railroads of S. F. various lines year ending Dec. 31, 1914, Res. No. 12008	43,640.64							
United Railroads of S. F., Lessees—								
Gough St. Line	503.66							
Parnassnus Ave. Line	1,894.82							
Parkside Transit Co. (Receipts for Fiscal Year 1915-16)	3,728.10							
California St. Cable Co.— Hyde St. Line year ending Dec. 31, 1914, Res. No. 11712	4,683.74							
Sanitary Reduction Works— one year's Interest per Ord. No. 3330	17,500.00							
S. F. Electric Protective Co.								
Pacific Telephone & Tel. Co.—2% Gross receipts on $3,576,304.16, Dec. 1, 1914, to September 30, 1915	71,526.08							
		143,487.32						

TREASURER'S RECEIPTS AND EXPENDITURES—Continued

Funds or Accounts and Information	Receipts	Extension	Transfers Permanent Resolution Loan	Total Credits	Disbursements	Transfers Permanent Resolution Loan	Total Debits
State of California:							
For Maintenance of Minors from July 1, 1914, to Dec. 31, 1914	20,789.11						
Do, from July 1, 1915, to Dec. 31, 1915	17,512.28						
Widows' Pension Claims Jan. 1, 1915, to Dec. 31, 1915	67,345.00						
Payment of Assessment on Beale St. Regrade	11,433.82						
State Refund of Taxes, Sec. No. 3804	12.57						
Tax Collector, Poll Tax, Commission	4.00						
		117,096.78					
Secy. Superior Court, Refund account of Duplicate payment		67.50					
Playground Commission, Sale of Junk, North Beach Playground		20.00					
Massachusetts Bond & Ins. Co., Refund on Depository Bond Crocker National Bank		397.25					
F. W. Leis, Balance due on purchase Potrero Nuevo Block		200.00					
City and County Treasurer:							
Commission from Inheritance Tax Collections	3,477.22						

Commission from Public Administrator's Settlements	297.80						
Net proceeds Auction Sale by Treasurer of Coroner's effects	284.35						
		4,059.37					
Board of Public Works:							
Sale of old Cobbles	182.05						
Refund, State Motor Vehicle Div.	6.68						
Damages, Third St. Bridge	70.35						
California Highway Commission, Damage to Steam Roller	16.00						
		275.08					
Transferred from Unapportioned Fee Fund			254,041.92				
Transferred from Loan Transfer Account			1,565,000.00				
Transferred from Advertising Fund Fees for fiscal year 1915-16			10,333.50				
				11,022,560.85			
Demands					9,776,278.82		
Superior Court Orders					17,691.95		
Transferred to Police Relief and Pension Fund—							
Account Licenses						63,475.75	
Account Police Court Fines						5,936.75	
Transferred to Loan Transfer Account Temporary Loans Returned						1,565,000.00	

TREASURER'S RECEIPTS AND EXPENDITURES—Continued

Funds or Accounts and Information	Receipts	Extension	Transfers Permanent Resolution Loan	Total Credits	Disbursements	Transfers Permanent Resolution Loan	Total Debits
Transferred to City and County Good Roads Fund J. R. No. 1910						10,000.00	
Transferred to Police Relief and Pension Fund to cover deficit 1914-15						9,432.66	
Transferred to Municipal Ry. Fund, Sale of Shacks on Church St.						2,279.52	
Transferred to Water Works Fund, Res. No. 12405						300.00	
							11,450,395.45
COMMON SCHOOL							
Taxes		1,372,987.09					
State of California, Final Apportionment, 1914-15		39,637.45					
State of California, School Apportionments, 1915-16:							
Elementary Schools	633,272.18						
High Schools	45,546.42						
		678,818.60					
Rent, School Property	11,202.50						
Rent, Lincoln School Lots	86,940.00						
		98,142.50					
Sale of old desks		30.00					
Damages to School property		12.64					
Rebate on Freight		21.39					

Transferred from Loan Transfer Account, Temporary Loan			340,000.00				
				2,529,649.67			
Demands					2,115,339.13		
Transferred to Loan Transfer Account, Temporary Loan returned						340,000.00	
							2,455,339.13
TEACHERS' INSTITUTE							
Examination and Certificate Fees				582.00			
Demands							226.65
ADVERTISING							
Board of Supervisors, Fees	4,240.45						
Board of Public Works, Fees	5,911.65						
Board of Fire Commissioners, Fees	180.40						
Transferred from Twin Peaks Tunnel Assessment Fund			.75				
Transferred from Duplicate Tax Fund			.25				
				10,333.50			
Annual Transfer to General Fund						10,333.50	
							10,333.50
UNAPPORTIONED FEE							
Detail of Officers	1,207.50						
Police Department Taxi-meter Fees	107.00						
Registrar	2,107.45						
Auditor	78.00						
Sheriff	33,833.11						
County Clerk	92,142.00						
Recorder	66,331.25						

TREASURER'S RECEIPTS AND EXPENDITURES—Continued

Funds or Accounts and Information	Receipts	Extension	Transfers Permanent Resolution Loan	Total Credits	Disbursements	Transfers Permanent Resolution Loan	Total Debits
Recorder, Marriage License	6,542.00						
Justices' Clerk	33,764.00						
Board of Public Works	20,623.25						
Board of Health	1,242.25						
Department of Electricity	12,321.24						
Poundkeeper	2,938.10						
Treasurer	3.50						
				273,240.65			
Demands					17,983.95		
Transfers to—							
General Fund						254,041.92	
Police Relief and Pension Fund						1,464.50	
							273,490.37
PARK							
Taxes		377,185.86					
Transfered from Loan Transfer Account, Temporary Loans			180,000.00				
Bequest from Estate of Alice Skae, for purchase of paintings		10,000.00					
Children's Quarters	33,015.05						
Beach Chalet	2,732.15						
Rent, Boat House	300.00						
Rent, Japanese Tea Garden	600.00						
		36,647.20					
Down Town Association, care of Baskets on Market St.	500.00						

Down Town Association Lighting Committee	171.95						
Labor and Material, Richmond Library Lawn	500.00						
Academy of Sciences, Construction of Roads and Walks around Museum	600.00						
Spring Valley Water Co., Refund	123.29						
Spring Valley Water Co., Labor Hauling Rock	227.25						
Shipping Buffaloes	150.00						
Sale of Museum Catalogues	297.10						
Sale of Lambs and Wool	207.12						
Sale of 10 Horses	244.55						
Sale of Empty Cement Sacks	137.60						
Sundry Sales, damages, labor, etc.	159.90						
United R. R. of S. F., Right of Way, 1916	100.00						
		3,418.76		607,251.82			
Demands					427,559.79		
Transferred to Loan Transfer Account							
Loans returned						180,000.00	607,559.79
LIBRARY							
Taxes		96,990.64					
Fines, etc.		3,996.85					
Books Lost and Paid For, etc.		170.85					
				101,158.34			
Demands							107,498.51

TREASURER'S RECEIPTS AND EXPENDITURES—Continued

Funds or Accounts and Information	Receipts	Extension	Transfers Permanent Resolution Loan	Total Credits	Disbursements	Transfers Permanent Resolution Loan	Total Debits
RELIEF HOME TRACT							
Demands							13,740.00
POLICE RELIEF AND PENSION							
Contributions of Officers	22,218.00						
Rewards of Officers	220.00						
Fines of Officers	1,115.00						
		23,553.00					
Net proceeds of Auction Sale	1,079.85						
Unclaimed Cash	900.56	1,980.41					
Transferred from Unapportioned Fee Fund			1,464.50				
Transferred from General Fund:							
Account Licenses			63,475.75				
Account Police Court Fines			5,936.75				
From General Fund to cover deficit 1914-15			9,432.66				
Transferred from 5% City Hall Bond Fund, Temporary Loan			575.39				
				106,418.46			
Demands					108,620.95		
Transferred to 5% City Hall Bond Fund, Temporary Loan returned						575.39	
							109,196.34
FIREMEN'S RELIEF AND PENSION							
Taxes		102,347.30					
Transferred from Loan Transfer Account, Temporary Loans			50,500.00				

Transferred from Assessor, Temporary Loans			10,000.00				
				162,847.30			
Demands					103,372.03		
Transferred to Loan Transfer Account						50,500.00	
Transferred to Assessor Account						10,000.00	
Loans Returned							163,872.03
HOUSE MOVING, BOARD OF WORKS							
Permits				2,100.00			
Demands							2,300.00
HOUSE MOVING, DEPT. OF ELECTRICITY							
Permits				575.00			
Demands							340.00
SPECIAL BADGE							
Permits				595.00			
Demands							820.00
OVERPAYMENT CORPORATION TAXES							
Demands							6.00
DUPLICATE TAX							
Taxes		5,871.39					
Transferred from Twin Peaks Ridge Tunnel Assessment Fund			686.87				
				6,558.26			

TREASURER'S RECEIPTS AND EXPENDITURES—Continued

Funds or Accounts and Information	Receipts	Extension	Transfers Permanent Resolution Loan	Total Credits	Disbursements	Transfers Permanent Resolution Loan	Total Debits
Demands					4,633.71		
Transferred to Twin Peaks Tunnel Interest Fund						2.25	
Transferred to Twin Peaks Tunnel Assessment Fund						14.63	
Transferred to Advertising Fund						.25	
							4,650.84
POLICE COURT BAIL MONEY							
Bail Deposited				724,835.00			
Demands (Orders Paid)							713,070.00
ROBINSON BEQUEST FUND							
Surrender of Loan by O. D. Baldwin							40,000.00
New Loan to O. D. Baldwin, et al.				40,000.00			
ROBINSON BEQUEST INTEREST							
Interest on above Loan				1,644.45			
Demands							2,144.45
HENRI WINDEL BEQUEST INTEREST							
One year; Interest on $16,000 5% Hospital Bonds				800.00			
Demands							800.00

DENMAN SILVER MEDAL FUND							
One year interest, $3,000, City Hall Bonds @ 5%				150.00			
SPECIAL PERMIT							
Sidewalk and Street Permits				51,214.00			
Demands							45,781.00
TEARING UP STREETS							
Side Sewer Permits				67,067.12			
Demands							62,148.90
EXCAVATION							
Street Opening Permits				12,282.70			
Demands							15,559.55
SPECIAL INSPECTION							
Contractors' Fees				27,020.50			
Demands							17,842.55
STATE OF CALIFORNIA							
Taxes, 1914-15	1,143.72						
Taxes, back years	48.11						
		1,191.83					
Tax Collector Poll Taxes		12.00					
Tax Sales, per Section No. 3804		305.83					
Redemption Property Sold State		2,402.74					
Inheritance Taxes		1,417,677.22					
Public Administrator Estates net amount due State		24,879.21					
Public School Teachers' Permanent Fund, Contributions for fiscal year	16,570.00						

TREASURER'S RECEIPTS AND EXPENDITURES—Continued

Funds or Accounts and Information	Receipts	Extension	Transfers Permanent Resolution Loan	Total Credits	Disbursements	Transfers Permanent Resolution Loan	Total Debits
Interest on 5% Fire Protection Bonds $44,000, one year	2,200.00						
		18,770.00					
Maintenance:							
Eldridge Home for Feeble-Minded Children	31,540.00						
Preston School of Industry	6,039.15						
Whittier Reform School	300.82						
California School for Girls	1,392.19						
		39,272.16					
				1,504,510.99			
Disbursements:							
Paid State Treasurer Account School Teachers' Permanent Fund—							
Contributions of Teachers					12,246.00		
Interest on Bonds					2,200.00		
Settlements with State Controller:							
Taxes, back years					1,900.91		
Inheritance Taxes					1,417,677.22		
Redemption Property Sold State					2,402.74		
Tax Sales, Section No. 3804					305.83		
Tax Collector Poll Taxes					12.00		
Eldridge (H. F. M. C.)					31,540.00		
Preston School of Industry					6,039.15		
Whittier Reform School					300.82		

California School for Girls					1,393.25		
Public Administrator					24,879.21		
Refund of Taxes					12.57		
							1,500,909.70
MUNICIPAL WATER WORKS							
Rentals		6,056.89					
Transferred from General Fund per Res. No. 12405			300.00				
				6,356.89			
Demands							7,934.94
AUDITORIUM							
Account per Ordinance No. 3521, N. S.—							
Rentals and Deposit on Rentals				10,534.00			
Demands, Miscellaneous					8,520.66		
Refunded on account of Rentals					462.50		
							8,983.16
MUNICIPAL RAILWAY (all lines)							
Passenger Receipts received in 1915-16		1,978,412.40					
Transfers United R. R. of S. F.		10,674.46					
Broken Windows, Lost Badges, Punches, etc.	35.75						
Sale of Scrap Iron, Shoe Brakes, etc.	3,002.54						
Received on account of repairs, installations, removals, damages, etc., to wires, trolleys, poles, crossings, etc.	493.94						
Refund from Ocean Shore R. R. Co.	2,681.47						

TREASURER'S RECEIPTS AND EXPENDITURES—Continued

Funds or Accounts and Information	Receipts	Extension	Transfers Permanent Resolution Loan	Total Credits	Disbursements	Transfers Permanent Resolution Loan	Total Debits
Sundry Refunds	245.16						
Rental of Rail Bender	81.97						
		6,540.83					
Sale of Shacks on Church St. per Journal Res. No. 1953			2,279.52				
Earned Interest on $124,500 Investment in S. F. Municipal Bonds per Res. No. 11068, portion of period ending Dec. 31, 1915	1,837.87						
Earned Interest on $124,500 full period 6 mos. ending June 30, 1916	2,216.25						
		4,054.12		2,001,961.33			
Debits:							
Demands					1,318,852.15		
Transferred to Municipal Ry. Depreciation, 18% Gross Passenger Revenue, per Reports Board of Public Works						367,935.25	
Transferred to Municipal Ry. Accident Insurance Workmen's Compensation Liability, per Reports of Board of Public Works						23,906.99	
Transferred to Investment Fund under authority Res. No. 11068						200,000.00	

Transferred to 4½% Geary St. Railway Bond Interest Fund per Res. No. 13036						45,000.00	
Transferred to 5% Municipal Railway Bond Interest Fund per Res. No. 13036						77,000.00	
							2,032,694.39
MUNICIPAL RAILWAY DEPRECIATION							
Refund of Accrued Interest on Municipal Bonds Purchased	1,516.37						
Earned Interest on same, Dec. 31, 1915	9,233.88						
		10,750.25					
Earned Interest on same to June 30, 1916		10,750.25					
Transferred from Municipal Railway Fund 18% Gross Passenger Revenue			367,935.25				
				389,435.75			
Purchase of $313,500 3½ Library Bonds, 1904, on a 4½% basis, per Res. No. 11868, discount price					276,727.05		
Accrued Interest on same					1,443.75		
Purchase of 3½% School Bonds, 1904, per Res. No. 12172					8,300.00		
Accrued Interest on same					72.62		
Transferred to 4½% Geary St. Bond Redemption						95,000.00	
Transferred to 4½% Market St. Ry. Bond Redemption						6,000.00	
Per Resolution No. 12899							387,543.42

TREASURER'S RECEIPTS AND EXPENDITURES—Continued

Funds or Accounts and Information	Receipts	Extension	Transfers Permanent Resolution Loan	Total Credits	Disbursements	Transfers Permanent Resolution Loan	Total Debits
MUNICIPAL RAILWAY ACCIDENT INSURANCE							
Transferred from Municipal Railway Fund Workmen's Compensation Liability per Reports Board of Public Works			23,906.99	23,906.99			
INVESTMENT							
Transferred from Municipal Ry. Fund under authority Res. No. 11068			200,000.00				
Redemption of Sundry Municipal Bonds, maturing June 30 and July 1, 1916	138,500.00						
Refund of Accrued Interest on $124,500	378.38						
		138,878.38		338,878.38			
Purchase of Bonds by Treasurer, par and accrued Interest, on behalf of City and County of S. F. under Res. No. 11068, same maturing June 30 and July 1, 1916:							
3½% Municipal Bonds 1904					117,838.89		
4½% Municipal Bonds 1910					12,035.88		
5% Municipal Bonds 1908					9,003.61		
							138,878.38

LOAN TRANSFER ACCOUNT

Transferred from following Funds for purpose of facilitating temporary Loans between Funds, under proper authorization—							
From:							
Assessor Account			750,000.00				
3½% Library Bond Fund, 1904			250,000.00				
4½% Water Bond Fund, 1910			600,000.00				
5% City Hall Bond Fund, 1912			950,000.00				
5% Garbage Bond Fund, 1908			200,000.00				
Transferred from following Funds, account of temporary Loans returned:							
From—							
General Fund			1,565,000.00				
Common School Fund			340,000.00				
Park Fund			180,000.00				
Firemen's Relief Fund			50,500.00				
Mission Park Interest Fund			45.48				
				4,885,545.48			
Debits:							
Transferred to following Funds, account temporary loans—							
General Fund						1,565,000.00	
Common School Fund						340,000.00	
Park Fund						180,000.00	

TREASURER'S RECEIPTS AND EXPENDITURES—Continued

Funds or Accounts and Information	Receipts	Extension	Transfers Permanent Resolution Loan	Total Credits	Disbursements	Transfers Permanent Resolution Loan	Total Debits
Firemen's Relief Fund						50,500.00	
Mission Park Interest Fund						45.48	
Transferred to following Funds—							
Loans returned Assessor Acct						750,000.00	
3½% Library Bond Fund, 1904						250,000.00	
4½% Water Bond Fund, 1910						600,000.00	
5% City Hall Bond Fund, 1912						950,000.00	
5% Garbage Bond Fund, 1908						200,000.00	
							4,885,545.48
STREET IMPROVEMENT							
Installment Assessments				22,225.03			
Payments to Contractors							22,779.08
POLK STREET RE-GRADE							
Deposited by Board of Public Works				5.79			
Demands							499.00
EL PORTAL WAY SEWER							
Deposited by Board of Public Works Their Res. No. 40614				11,000.00			
Demands							10,964.00

STREET EXTENSION FUNDS							
Covering following streets: Vulcan, Bixby, Orizaba, Ralston, Vernon, Monticello, Bright, Arch, Head, Victoria, Beverly and Ramsell:							
Deposited by Board of Public Works				30.50			
Demands							113.00
STREET EXTENSION REDEMPTION FUNDS							
Covering following streets: Bixby, Orizaba, Ralston, Vernon, Monticello, Bright, Arch, Head, Victoria, Beverly and Ramsell:							
Deposited by Board of Public Works on account of Redemptions by Property Owners				881.80			
Refunds to Purchasers							375.52
STOCKTON STREET TUNNEL ASSESSMENT							
Tax Collector, Assessments				38,604.11			
Demands					1,108.84		
Contractor's Bonds Redeemed					16,558.84		
Transferred to Stockton Street Tunnel Interest						6,843.61	
							24,511.29
STOCKTON STREET TUNNEL INTEREST							
Refund owing to prior Redemption of Bonds		203.00					

TREASURER'S RECEIPTS AND EXPENDITURES—Continued

Funds or Accounts and Information	Receipts	Extension	Transfers Permanent Resolution Loan	Total Credits	Disbursements	Transfers Permanent Resolution Loan	Total Debits
Transferred from Stockton St. Tunnel Assessment			6,843,61				
				7,046.61			
Payments of Interest Coupons							7,973.31
TWIN PEAKS RIDGE TUNNEL ASSESSMENT NO. 1							
Tax Collector, Assessments from Property Owners		823,659.82					
Transferred from Twin Peaks Ridge Tunnel Interest Fund per J. R. Res. No. 1986			98,941.00				
Transferred from the Interest Fund			16.41				
Transferred from Duplicate Tax Fund			14.63				
				922,631.86			
Demands					918,088.92		
Transferred to the Interest Fund						220,469.86	
Transferred to Duplicate Tax Fund						686.87	
Transferred to Advertising Fund						.75	
							1,139,246.40
TWIN PEAKS RIDGE TUNNEL ASSESSMENT NO. 2							
Assessments from Bond Issue Installments, agreements with Property Owners, Assessments since April 1, 1916				16,406.91			

Transferred to Twin Peaks Ridge Tunnel Interest Fund..						1,065.47	1,065.47
TWIN PEAKS RIDGE TUNNEL INTEREST							
From R. C. Storrie & Co., Accrued Interest on 7% Tunnel Bonds, $308,500, Sundry Dates	3,159.83						
Transferred from Twin Peaks Tunnel Assessment No. 1			220,469.86				
Transferred from Twin Peaks Tunnel Assessment No. 2			1,065.47				
Transferred from Duplicate Tax Fund			2.25				
				224,697.41			
Transferred to the Assessment Fund per J. R. No. 1986						98,941.00	
Transferred to the Assessment Fund per advices Tax Collector						16.41	98,957.41
TWIN PEAKS TUNNEL REDEMPTION FUND							
Redeemed by Property Owners..				4,901.47			
Refunds to Purchasers							303.39
ASSESSOR ACCOUNT, Unapportioned							
Personal Property Taxes, 1916-1917		844,721.86					

TREASURER'S RECEIPTS AND EXPENDITURES—Continued

Funds or Accounts and Information	Receipts	Extension	Transfers Permanent Resolution Loan	Total Credits	Disbursements	Transfers Permanent Resolution Loan	Total Debits
Transferred from Firemen's Relief Fund			10,000.00				
Loan Transfer Account, Loans Returned			750,000.00				
				1,604,721.86			
Transferred to Firemen's Relief Fund						10,000.00	
Loan Transfer Account, Temporary Loans						750,000.00	
Apportionment of Taxes to Sundry Funds					817,755.52		
							1,577,755.52
TAX COLLECTOR TAXES, Unapportioned							
Transferred from Special and Unapportioned Funds, Balance as of October 3, 1915	290,194.46						
Deposited by Tax Collector	10,992,550.59			11,282,745.05			
Apportioned to Sundry Funds					11,204,261.48		
Credited to State of California					53.00		
Credited to Duplicate Tax Fund					2,631.19		
							11,206,945.67
REDEMPTION OF PROPERTY SOLD STATE, Unapportioned							
Sundry Redemptions since Dec. 7, 1915				63,015.24			
Apportioned to Sundry Funds					43,325.95		
Credited to State of California					1,353.05		
							44,679.00

TAX COLLECTOR SPECIAL, Unapportioned							
Sold for delinquent taxes to State per Sec. 3771 Revenue Laws				2,177.00			
STATE TAX REFUND							
Refund from State of California on Bonded Indebtedness as of Nov. 8, 1910				140,288.30			
Apportioned to Interest and Redemption Funds							140,288.30
CITY AND COUNTY GOOD ROADS							
State of California, this City's Share Motor Vehicle Licenses year ending Dec. 31, 1915		112,122.51					
Transferred from General Fund per J. R. No. 1910			10,000.00				
				122,122.51			
Demands							80,718.28
INHERITANCE TAX							
Transferred Aug. 9, 1915, from Special Fund to same account, City and County Fund	165,965.57						
NOTE: Actual amount collections for year 1915-16 showing in Special Funds and City and County Funds, $1,488,093.64.							
Tax Collections by Treasurer since above date to June 30, 1916	1,435,653.32			1,601,598.89			

TREASURER'S RECEIPTS AND EXPENDITURES—Continued

Funds or Accounts and Information	Receipts	Extension	Transfers Permanent Resolution Loan	Total Credits	Disbursements	Transfers Permanent Resolution Loan	Total Debits
Appraiser's Claims since Aug. 9, 1915					4,988.35		
Special Attorney's Fees since Aug. 9, 1915					569.93		
Tax Refunds since Aug. 9, 1915					316.80		
Carfare, etc.					48.05		
Treasurer's Commission					3,477.22		
Remitted to State of California					1,417,677.22		
							1,427,077.07
COUNTY CLERK SPECIAL							
Transferred from Special Funds to same account City and County Funds, Balance as of August 9, 1915	33,843.72						
Superior Court Deposits since Aug. 9, 1915	116,768.15			150,611.87			
Superior Court Orders, audited and paid since Aug. 9, 1915							110,517.40
ABSENT HEIRS							
Superior Court Deposits since Aug. 9, 1915		950.17					
Transferred from Public Administrator Account			9.91	960.08			
Paid personal property taxes					14.78		
Superior Court Orders					426.14		
							440.92

PUBLIC ADMINISTRATOR							
Deposits since Aug. 9, 1915				10,271.18			
Paid Personal Property Taxes					216.74		
Transferred to Absent Heirs Account						9.91	
							226.65
ABSENT CREDITORS							
Deposits since Aug. 9, 1915				23.00			
Superior Court Order							12.50

TREASURER'S RECEIPTS AND EXPENDITURES—Continued

BOND INTEREST FUNDS	Taxes	State Tax Refund	Accrued Interest on Bond Sales	Total Credits	Bonds Redeemed
3½% Schools, 1904	16,719.82	334.02	72.62	17,126.46	23,679.25
3½% Streets, 1904	16,707.13	1,536.48	.....	18,243.61	19,138.00
3½% County Jail and Hall of Justice, 1904	2,694.19	334.02	.....	3,028.21	3,349.50
3½% Library, 1904	5,499.44	534.44	2,650.15	8,684.03	29,071.00
3½% Playgrounds, 1904	16,629.45	1,937.32	.....	17,566.77	19,213.25
3½% Golden Gate Park Extension, 1904	7,543.71	935.26	.....	8,478.97	8,466.50
3½% Mission Park, 1904	7,001.71	868.44	.....	7,870.15	7,537.25
4½% Polytechnic High, 1910	20,478.97	.....	.....	20,478.97	24,795.00
4½% Geary Street Railway, 1910	.....	.....	.....	.....	82,642.50
4½% Hetch Hetchy (Water), 1910	145,041.74	.....	15,534.38	160,576.12	79,605.00
4½% Market Street Railway, 1910	.....	.....	.....	.....	3,195.00
4½% Hospital-Jail, 1913	43,668.01	.....	8,066.40	51,734.41	48,487.50
5% Fire Protection, 1908	225,788.58	23,381.38	.....	249,169.96	258,275.00
5% Sewers, 1908	168,145.71	14,362.84	.....	182,508.55	197,375.00
5% Schools, 1908	195,680.34	14,897.28	.....	210,577.62	236,600.00
5% Hospital, 1908	73,310.39	5,210.70	.....	78,521.09	87,125.00
5% Hall of Justice, 1908	36,114.75	2,939.38	.....	39,054.13	40,975.00
5% Garbage System, 1908	20,532.91	2,538.56	.....	23,071.47	32,900.00
5% City Hall, 1912	436,318.32	.....	.....	436,318.32	440,225.00
5% Exposition, 1912	206,415.80	.....	.....	206,415.80	131,525.00
5% Municipal Street Railway, 1913	136.45	.....	.....	136.45	200,812.50
Total Footings	1,643,427.42	69,810.12	26,323.55	1,739,561.09	1,974,992.25

TREASURER'S RECEIPTS AND EXPENDITURES—Continued

Bond Interest Funds	Taxes	State Tax Refund	Total Credits	Coupons Redeemed
3½% Sewers, 1904	1,047.19	.....	1,047.19	181,200.00
3½% Schools, 1904	78,128.18	9,686.58	87,814.76	89,800.00
3½% Streets, 1904	36,095.70	4,475.86	40,571.56	40,500.00
3½% County Jail and Hall of Justice, 1904	15,623.11	1,937.32	17,560.43	17,400.00
3½% Library, 1904	35,563.26	4,409.06	39,972.32	41,100.00
3½% Playgrounds, 1904	16,165.12	2,004.12	18,169.24	18,500.00
3½% Golden Gate Park Extension, 1904	7,537.36	935.26	8,472.52	8,200.00
3½% Mission Park, 1904	6,462.88	801.64	7,264.52	7,300.00
4½% Polytechnic High, 1910	24,786.49	.....	24,786.49	25,000.00
4½% Geary Street, 1910	.....	.....	.....	95,000.00
4½% Market Street Railway, 1910	.....	.....	.....	6,000.00
4½% Water Supply, 1909	498.21	.....	498.21	.....
4½% Hospital-Jail Comp., 1913	101,240.43	.....	101,240.43	100,000.00
5% Garbage System, 1908	44,723.47	4,676.28	49,399.75	50,000.00
5% Hall of Justice, 1908	44,194.14	3,674.22	47,868.36	50,000.00
5% Hospital, 1908	95,351.94	6,346.38	101,698.32	100,000.00
5% Schools, 1908	186,982.79	12,826.36	199,809.15	200,000.00
5% Sewers, 1908	91,608.64	7,014.42	98,623.06	100,000.00
5% Fire Protection, 1908	118,381.69	11,690.68	130,072.37	.....
5% Exposition, 1912	200,441.00	.....	200,441.00	6,000.00
Total Footings	1,104,831.60	70,478.18	1,175,309.78	1,136,000.00

TRANSFERS IN RE BOND INTEREST AND REDEMPTION FUNDS

	Credit Transfers	Debit Transfers
3½% County Jail and Hall of Justice Interest from County Jail and Hall of Justice Redemption	155.25	.....
3½% Mission Park Interest from Loan Transfer Account	45.48	.....
3½% Mission Park Interest returned to Loan Account	.....	45.48
3½% Mission Park Interest to Mission Park Redemption Fund to cover deficit	.....	356.70
4½% Market St. Ry. Interest from 4½% Geary St. Ry. Interest to cover interest coupons	2,568.45	.....
4½% Geary St. Ry. Interest to 4½% Market St. Ry. Interest	.....	2,568.45
4½% Geary St. Ry. Interest from Municipal St. Ry. Fund per Res. No. 13036 to meet Interest Coupons	45,000.00	.....
4½% Polytechnic High Interest to Polytechnic High Redemption to cover deficit	.....	207.51
5% Sewer Interest to 5% Sewer Redemption to cover deficit	.....	114.86
5% Hospital Interest to 5% Hospital Redemption to cover deficit	.....	1,154.56
5% Municipal Railway Interest from Municipal Ry. Fund per Res. No. 13036 to meet Interest coupons	77,000.00	.....
3½% County Jail and Hall of Justice Redemption to Jail Interest	.....	155.25
3½% Mission Park Redemption from Mission Park Interest	356.70	.....
4½% Polytechnic High Redemption from Polytechnic High Interest	207.51	.....
4½% Geary St. Ry. Redemption from Municipal Ry. Depreciation per Res. No. 12899 to meet Redemption of Bonds	95,000.00	.....
4½% Market St. Ry. Redemption from Municipal Ry. Depreciation per Res. No. 12899 to meet Redemption of Bonds	6,000.00	.....
5% Hospital Redemption from 5% Hospital Interest	1,154.56	.....
5% Sewer Redemption from 5% Sewer Interest	114.86	.....
Totals	227,602.81	4,602.81

Funds or Accounts and Information	Receipts	Extension	Transfers Permanent Resolution Loan	Total Credits	Disbursements	Transfers Permanent Resolution Loan	Total Debits
3½% Library, 1904							
Sold by Treasurer over Counter to Sundry Purchasers on a 4½% basis, par $121,000, discount price		103,569.72					
Sale of Bonds to City and County of S. F., purchased by Treasurer for benefit of Municipal Ry. Depreciation Fd., par value $145,500, discount price (4½% basis) per Res. No. 12172 and 12201		125,342.25					
Transferred from Loan Transfer Account, Temporary Loan Returned			250,000.00				
				478,911.97			
Demands					384,303.37		
Transferred to Loan Transfer Account Temporary Loan						250,000.00	
							634,303.37
3½% Schools, 1904							
Sale of Bonds to City and County of S. F. purchased by Treasurer for benefit of Municipal Ry. Depreciation Fund per Res. No. 12171				8,300.00			
Demands					3,857.25		

TREASURER'S RECEIPTS AND EXPENDITURES—Continued

Funds or Accounts and Information	Receipts	Extension	Transfers Permanent Resolution Loan	Total Credits	Disbursements	Transfers Permanent Resolution Loan	Total Debits
Transferred to 5% School Bond Fund 1908 per Res. No. 13034						5,467.56	
							9,324.81
3½% Sewers, 1904							
Demands							115,014.18
4½% Polytechnic High, 1910							
Demands							29,657.26
4½% Geary St. Ry, 1910							
Transferred from 4½% Market St. Ry. Fund 1910 per J. R. No. 1913			18,186.80				
				18,186.80			
Demands					27,900.10		
Transferred to 5% Municipal Ry. Fund 1913 to cover error in October Disbursement entries						4,375.80	
							32,275.90
4½% Market St. Ry, 1910							
Sale of Bonds to City and County of S. F. purchased by Treasurer for Investment Fd. under Res. No. 11068, maturing July 1, 1916				6,000.00			
Demands					720.10		

Transferred to 4½% Geary St. Ry. Bond Fund 1910 per Journal Resolution No. 1913						18,186.80	18,906.90
4½% Hetch Hetchy (Water), 1910							
Sale of Bonds by Treasurer over Counter		579,000.00					
Sold to Blyth, Witter & Co.—							
par value	2,000,000.00						
premium	200.00						
		2,000,200.00					
Sales of Copies Freeman's Report		18.35					
Refund from Sierra Ry. Co.		1.82					
Transferred from Loan Transfer Account, Loan Returned			600,000.00				
				3,179,220.17			
Demands					445,009.49		
Transferred to Loan Transfer Account, Temporary Loan						600,000.00	1,045,009.49
4½% Hospital-Jail, 1913							
Sale of Bonds by Treasurer over Counter		267,000.00					
Sold to Blyth, Witter & Co.—							
par	300,000.00						
premium	86.00						
		300,086.00					
				567,086.00			
Demands							217,804.84
5% Sewers, 1908							
Demands							14,682.80

TREASURER'S RECEIPTS AND EXPENDITURES—Continued

Funds or Accounts and Information	Receipts	Extension	Transfers Permanent Resolution Loan	Total Credits	Disbursements	Transfers Permanent Resolution Loan	Total Debits
5% School Bonds, 1908							
Transferred from 3½% School Bond Fund, 1904, per Res. No. 13034			5,467.56				
				5,467.56			
Demands (Paid)							95,598.59
5% Fire Protection, 1908							
Material sold, Board of Works Report		42.85					
Damage to High Pressure System		15.30					
				58.15			
Demands							12,018.34
5% Garbage, 1908							
Sale of Bonds to City and Co. of S. F., purchased by Treasurer for Investment Fund, under authority Res. No. 11068, maturing July 1, 1916		8,000.00					
Transferred from Loan Transfer Account, Loan Returned			200,000.00				
				208,000.00			
Demands					990.30		
Transferred to Loan Transfer Account, Temporary Loan						200,000.00	
							200,990.30

5% City Hall, 1912							
Western Pacific Ry. Refund	277.90						
Southern Pacific Co. Refund	316.06						
Schweitzer Est. Co., Net Rentals	59.10						
		653.06					
Transferred from Police Relief and Pension Fund, Temporary Loan Returned			575.39				
Transferred from Loan Transfer Account, Loans Returned			950,000.00				
				951,228.45			
Demands					1,413,487.58		
Transferred to Police Relief and Pension Fd., Temporary Loan						575.39	
Transferred to Loan Transfer Account, Temporary Loan						950,000.00	
							2,364,062.97
5% Municipal St. Ry., 1913							
Ocean Shore Ry. Co., their share reconstruction of street railway		33,717.97					
Transferred from 4½% Geary St. Ry. Bond Fd., 1910, to correct error in October Disbursement entries			4,375.80				
				38,093.77			
Demands							292,792.24
Total Footings		48,353,804.77	11,324,987.08	59,678,791.85	37,828,103.68	11,324,987.08	49,153,090.76
Balance Cash on Hand June 30, 1916							10,525,701.09
Grand Total							59,678,791.85

SPECIAL AND UNAPPORTIONED FUNDS, FISCAL YEAR ENDING JUNE 30, 1916.

TREASURER'S RECEIPTS, EXPENDITURES AND BALANCES.

RECEIPTS AND CREDIT TRANSFERS.

Balance Cash on Hand June 30, 1915			266,715.79
Tax Collector Taxes, Collections Deposited in July, Aug., Sept., Oct., 1915		290,194.46	
Tax Collector Commission, on Poll Taxes		2.00	
Redemption Property Sold to the State, Sundry Redemptions		36,239.90	
Inheritance Taxes, Collections		52,460.42	
County Clerk Special, Superior Court Deposits		5,178.83	
Absent Heirs—			
Superior Court Deposits	1,598.64		
Transferred from Public Administrator Account	3,043.16		
		4,641.80	
Public Administrator, Sundry Estates		16,742.69	
			405,460.10
Total			$672,175.89

EXPENDITURES AND DEBIT TRANSFERS.

Tax Collector Taxes—			
Transferred and apportioned to Sundry City and County Funds		72,320.74	
Transferred to Duplicate Tax Fund		421.30	
Credited to State of California, Taxes		1,144.83	
Credited to State of California, Poll Taxes		6.00	
Transferred to Tax Collector Commission		2.00	
Transferred to Tax Collector Taxes Unapportioned City & Co. Funds Balance as of October 31, 1915		290,194.46	
Tax Collector Special: Section No. 3804—			
Transferred and Apportioned to Sundry City and County Funds	1,356.67		
Credited to State of California	305.83		
		1,662.50	
Redemption Property Sold to State—			
Transfered and Apportioned to Sundry City and County Funds	42,823.24		
Credited to State of California	1,049.69		
		43,872.93	

Inheritance Taxes—			
Appraiser's Fees, etc.	3,911.86		
Transferred to Same Account City and County Funds Balance as of August 9, 1915	165,965.57		
		169,877.43	
County Clerk Special—			
Superior Court Orders	6,130.54		
Transferred to same account City and County Funds Balance as of August 9, 1915	33,843.72		
		39,974.26	
Absent Heirs—			
Superior Court Orders	2,598.64		
Personal Property Taxes	193.68		
		2,792.32	
Public Administrator—			
Superior Court Orders	10,445.41		
Personal Property Taxes	16.55		
Transferred to Absent Heir Account	3,043.16		
State of California Settlement	24,879.21		
Commission on Sundry Settlements to General Fund	45.54		
		38,430.87	
State School Money—			
State Treasurer's Certificate Cancelled		137.70	
Total Debits		660,839.34	
Balance Cash on Hand June 30, 1916		11,336.55	
Total			$672,175.89

BALANCES IN SPECIAL FUNDS, JUNE 30, 1916.

County Clerk Special	803.71	
Special Redemption Taxes	485.35	
Absent Heirs	9,240.21	
Absent Creditors	90.15	
Public Administrator	717.13	
		$11,336.55

S. S. SMITH,
Bookkeeper.

JOHN E. McDOUGALD,
Treasurer City and County of San Francisco.

City and County of San Francisco, July 31, 1916.

PUBLIC MONEYS ON DEPOSIT IN BANKS AS OF JUNE 30, 1916.

Name of Bank	Amount
Alameda Savings, Alameda	$ 45,000.00
Alameda National, Alameda	11,250.00
First National Auburn	3,790.00
Auburn Savings, Auburn	9,000.00
First National, Berkeley	37,500.00
Homestead Savings, Berkeley	6,000.00
Berkeley Bank of Savings & Trust Co.	12,500.00
Calistoga National, Calistoga	5,500.00
Bank of Campbell	3,500.00
Bank of Concord	7,500.00
Butte County National, Chico	18,000.00
First National, Coalinga	4,500.00
Del Norte County, Crescent City	5,500.00
First National, Dixon	7,125.00
Commercial Durham	9,000.00
Ferndale	7,000.00
First National, Fresno	27,000.00
Union National, Fresno	16,950.00
First National, Fort Bragg	23,750.00
Bank of Gilroy	7,500.00
Scott Valley, Fort Jones	15,000.00
Bank of Folsom	2,500.00
First National, Healdsburg	6,750.00
The Healdsburg National, Healdsburg	9,000.00
The Healdsburg Savings, Healdsburg	5,500.00
Livermore Valley Savings, Livermore	5,500.00
First National, Livermore	10,500.00
Farmers and Merchants, Livermore	9,650.00
Livermore Savings, Livermore	10,350.00
Bank of Loleta	4,000.00
Bank of Lompoc	7,500.00
First National, Merced	1,350.00
The Rideout, Marysville	25,000.00
First National, Napa	5,500.00
Citizens, Nevada City	27,250.00
Central National, Oakland	7,500.00
Central Savings, Oakland	26,250.00
First Savings, Oakland	30,000.00
First National, Palo Alto	7,500.00
Petaluma National, Petaluma	40,000.00
Petaluma Savings, Petaluma	19,500.00
Sonoma County National, Petaluma	59,000.00
California Savings, Petaluma	21,000.00
Petaluma Swiss American, Petaluma	14,000.00
Contra Costa County, Pittsburg	7,500.00
A. Mierson Banking Corp., Placerville	12,500.00
First National, Pleasanton	5,400.00
Northern California National, Redding	11,250.00
California National, Sacramento	37,000.00
National Bank of D. O. Mills & Co., Sacramento	27,150.00
California Savings, Sacramento	15,000.00
Salinas City	20,000.00

Monterey County, Salinas	7,500.00
National Bank, San Mateo	22,500.00
San Francisco Banks—	
French American Bank of Savings	175,000.00
First Federal Trust	177,250.00
Portuguese American	66,000.00
Italian American	157,000.00
Mission Bank	26,250.00
California National, N. A.	346,875.00
Wells Fargo Nevada National	525,000.00
Merchants National	288,000.00
Union Trust Co.	332,812.50
Anglo London & Paris National	450,000.00
Mutual Savings	60,000.00
Bank of Italy	409,000.00
Anglo Calif. Trust	118,875.00
Seaboard National	67,500.00
Mercantile National	300,000.00
American National	96,300.00
First National, Sebastopol	19,380.00
First National, San Pedro	5,250.00
Union National, San Luis Obispo	4,500.00
Savings Bank of St. Helena	12,500.00
Santa Rosa	41,250.00
Santa Rosa National	42,000.00
First National, Sonora	34,000.00
First National, Suisun	17,000.00
Commercial & Savings, Stockton	33,750.00
San Joaquin Valley National, Stockton	100,000.00
National Bank Tulare	10,500.00
Peoples State, Turlock	6,900.00
Bank of Tomales	18,000.00
Vallejo Commercial	22,500.00
Dairymen, Valley Ford	13,000.00
San Ramon Valley, Walnut Creek	12,750.00
Farmers, Wheatland	12,900.00
	$4,805,807.50

JOHN E. McDOUGALD,
Treasurer City and County San Francisco.

Horticultural Commissioner

REPORT OF HORTICULTURAL COMMISSIONER FOR THE CITY AND COUNTY OF SAN FRANCISCO FROM AUGUST 10, 1915, JUNE 30, 1916.

The period of time covered by this report is ten months and twenty days, beginning when the office was created by the Board of Supervisors and approved of by the Mayor, in August, 1915, and ending with the fiscal year, June 30th, 1916.

Seedmen, florists, nurserymen and merchants dealing in fruit products have all sought inspection certificates from this office. Federal and state laws now restrict the shipping of plants and plant products unless they bear a duly authorized certificate of inspection indicating that they are reasonably free from insect pests and plant diseases and transportation companies have in many cases refused to accept these shipments unless the certificate accompanies them. We have prepared three forms of certificates to meet the various conditions, they may be designated as follows: (1) tags; (2) Red stickers; (3) Certificates of inspection. The following tabulation indicates how these have been used during the last fiscal year.

(1) Tags are attached to bundles or boxes containing nursery stock, and their use is limited. They have been attached to the following packages:

31 boxes or bales of nursery stock going to points in California.
21 packages of nursery stock for Oregon, Washington, and eastern states.
3 packages for foreign destination.

55 total.

(2) Red Stickers are attached to individual plants, boxes containing fruit, or to packages of bulbs, plants and cuttings passing through the mails or going by express. They have been used as follows:

397 packages going to points in California.
816 packages going to Oregon, Washington and eastern states. (The above listed packages were sent by individuals and most were held for inspection at the postoffice.)
10,393 packages sent out by seedmen, and florists directly from their stores. No. record of destination.
80 fruits, Mexican limes to Seattle.
10 grapefruit to New Jersey.

11,696 total red stickers used for domestic trade.

10 packages for China.
6 packages for Japan.
175 packages for Manila.
2 packages for Honolulu.
2 packages for England.
3 packages for Australia.
1 package for Korea.
1 package for Vancouver, B. C.
1 package for Denmark.

201 total packages for foreign destination.

11,897 total number of red stickers used.

(3) Certificates of Inspection are issued to accompany larger shipments of plants, potatoes, onions and fruits which are usually sent to distant or foreign places. Each certificate specifies the name of owner or shipper, the number of packages, contents, where the products were grown, the name of the consignee, and it also indicates that the contents are reasonably free from insect pests and plant diseases. Products and their destination accompanied by certificates may be classified as follows:

Domestic Trade—

Potatoes:

10,450 boxes or sacks for Oregon or Washington.
83 boxes or sacks for eastern states.

Foreign Trade—

Potatoes:

5,480 crates or sacks for Australia.
3,800 crates or sacks for New Zealand.
411 crates or sacks for Canada.
5 crates for Samoa.

20,229 total potatoes.

Onions:

3,000 crates for Australia.
11,004 crates for New Zealand.
1,000 crates for Alaska.
2 crates for Samoa.

15,006 total onions for foreign trade.

Garlic:

30 for Australia.

Fruits:

111 Oranges for New Zealand.
30 Oranges for Samoa.
20 Grapefruit for New Zealand.

161 total packages fruits for foreign trade.

Totals:

Potatoes	20,229
Onions	15,006
Garlic	30
Fruits	161
Packages forwarded under inspection certificates	35,426
Tags	55
Red Stickers	11,897
Inspection Certificates	35,426
Total	47,378

ARTICLES CONDEMNED.

Articles have been destroyed or returned to the shipper only in extreme cases. One shipment of 52 bags of green bell peppers was confiscated and dumped at sea. The peppers were found to be badly decayed and infested with maggots. Two shipments of cull apples which were rotting and badly infested with codling moth worms, were ordered returned to the shippers. In each case

we advised the horticultural commissioner and the Chamber of Commerce in the districts to which the products were returned, that in the future we would continue to destroy or return cull products which were infested or not fit for food.

Many applications for certificates of inspection for potatoes were denied because of the presence of the potato tuber moth. These potatoes however were fit for food and were sold locally or were sent to states other than Oregon and Washington, where no quarantines against California grown potatoes exist.

The foregoing report is respectfully submitted as a complete summary of the records of the Horticultural Commissioner ending with the last fiscal year.

DUDLEY MOULTON,
Commissioner.

Report of County Clerk

San Francisco, July 1st, 1916.

Hon. James Rolph, Jr.

Mayor of the City and County of San Francisco.

Dear Sir:

In compliance with Section 9, Article XVI, of the Charter of the City and County of San Francisco, I submit herewith the annual report of the office of County Clerk, for the fiscal year 1915-1916.

As may be seen by reference to the Financial Statement hereto attached, the office has not only been self-sustaining during the ten years of my incumbency, but has been a source of profit to the City and County, earning in excess of running expenses the sum of $616,661.15.

Respectfully submitted,

H. I. MULCREVY,

County Clerk of San Francisco and ex-Officio
Clerk of the Superior Court Thereof.

FINANCIAL STATEMENT, FIRST HALF FISCAL YEAR 1915-1916, ENDING DECEMBER 31, 1915.

Departments	July	August	September	October	November	December	Totals
General Department	$ 3,909.50	$ 3,884.70	$ 3,766.00	$ 4,179.00	$ 3,676.00	$ 3,919.00	$23,334.20
Quiet Title Department	232.20	238.95	206.10	199.10	223.80	239.70	1,339.85
Civil Department	1,126.75	1,341.25	1,289.40	1,335.90	1,382.25	1,378.00	7,853.55
Probate Department	1,381.75	1,102.15	1,207.00	1,146.20	1,199.50	1,405.25	7,441.85
Naturalization Department	296.50	375.50	326.00	328.00	317.00	301.00	1,944.00
Marriage License Department	1,208.00	1,238.00	1,230.50	1,227.50	1,324.00	1,268.50	7,496.50
Fines and Forfeitures — Superior Court	.....	.....	250.00	.....	200.00	.....	450.00
Fines and Forfeitures—Police Court	2,616.00	2,185.00	2,213.00	2,090.00	2,479.00	1,440.00	13,023.00
Law Library Fees	1,237.00	1,305.00	1,218.00	1,246.00	1,213.00	1,298.00	7,517.00
Receipts	$12,007.70	$11,670.55	$11,706.00	$11,751.70	$12,014.55	$11,249.45	$70,399.95
Disbursements, Salaries	8,983.33⅓	8,983.33⅓	8,983.33⅓	8,983.33⅓	8,983.33⅓	8,983.33⅓	53,900.00
Excess of Receipts	$ 3,024.36⅔	$ 2,687.21⅔	$ 2,722.66⅔	$ 2,768.36⅔	$ 3,031.21⅔	$ 2,266.11⅔	$16,499.95

FINANCIAL STATEMENT, SECOND HALF FISCAL YEAR 1915-1916, ENDING JUNE 30, 1916.

Departments	January	February	March	April	May	June	Totals
General Department	$ 3,699.75	$ 4,177.00	$ 4,345.35	$ 3,821.25	$ 4,096.00	$ 4,124.50	$24,263.85
Quiet Title Department	155.95	165.15	295.90	211.70	200.05	234.10	1,262.85
Civil Department	1,385.25	1,287.65	1,554.60	1,309.50	1,435.50	1,343.70	8,316.20
Probate Department	1,532.25	1,304.60	1,466.90	1,141.75	1,327.00	1,266.65	8,039.15
Naturalization Department	296.50	401.00	543.00	230.50	43.00	41.00	1,555.00
Marriage License Department	936.00	899.50	796.50	901.50	815.00	1,488.50	5,837.00
Fines and Forfeitures — Superior Court	5.00	----------	----------	----------	----------	----------	10.00
Fines and Forfeitures—Police Court	1,673.00	2,005.00	2,504.00	1,759.00	1,249.00	1,534.00	10,724.00
Law Library Fees	1,229.00	1,289.00	1,389.00	1,221.00	1,316.00	1,301.06	7,745.00
Receipts	$10,912.70	$11,528.90	$12,895.25	$10,596.20	$10,486.55	$11,333.45	$67,753.05
Disbursements, Salaries	8,983.33⅓	8,983.33⅓	8,983.33⅓	8,983.33⅓	8,983.33⅓	8,983.33⅓	53,900.00
Excess of Receipts	$ 1,929.36⅔	$ 2,545.56⅔	$ 3,911.91⅔	$ 1,612.86⅔	$ 1,503.21⅔	$ 2,350.11⅔	$13,853.05
Total Excess of Receipts, Fiscal Year 1915-1916							$ 30,353.00
Total Excess of Receipts, Fiscal Years 1905-06 to 1914-1915							586,308.15
Grand Total Excess of Receipts to June 30, 1916							$616,661.15

GENERAL DEPARTMENT.

		Totals
Civil Suits Filed—		
From April 18, 1906, to June 30, 1915	66,667	
From July 1, 1915, to June 30, 1916	8,222	
		74,889
Adoptions Filed—		
From April 18, 1906, to June 30, 1915	526	
From July 1, 1915, to June 30, 1916	66	
		592
Certificates of Incorporation Filed—		
From April 18, 1906, to June 30, 1915	13,393	
From July 1, 1915, to June 30, 1916	854	
		14,247
Certificates of Co-partnership Filed—		
From April 18, 1906, to June 30, 1915	2,253	
From July 1, 1915, to June 30, 1916	512	
		2,765
Special Co-partnerships Filed—		
From April 18, 1906, to June 30, 1915	33	
From July 1, 1915, to June 30, 1916	3	
		36
Auctioneers' Bonds Filed—		
From April 18, 1906, to June 30, 1915	138	
From July 1, 1915, to June 30, 1916	5	
		143
Official and Notarial Bonds Filed—		
From April 18, 1906, to June 30, 1915	157	
From July 1, 1915, to June 30, 1916	15	
		172
Oaths of Office Filed—		
From April 18, 1906, to June 30, 1915	2,460	
From July 1, 1915, to June 30, 1916	527	
		2,987
Candidates' Statements Filed—		
From April 18, 1906, to June 30, 1915	159	
From July 1, 1915, to June 30, 1916	2	
		161
Surety Company Certificates Filed—		
From April 18, 1906, to June 30, 1915	49	
From July 1, 1915, to June 30, 1916	6	
		55
Superintendent Banks Certificates Filed—		
From July 1, 1909, to June 30, 1916	42	
		42
Torrens Land Act—		
From April 18, 1906, to June 30, 1916	7	
		7
Certificates of Appointment of Humane Officers Filed—		
From July 1, 1913, to June 30, 1915	332	
From July 1, 1915, to June 30, 1916	69	
		401

CIVIL DEPARTMENT.

		Totals.
Number of Civil Actions Filed—		
From April 18, 1906, to June 30, 1916		74,889
Number of Civil Actions Pending June 30, 1915	23,249	
Number of Civil Actions Filed—		
From July 1, 1915, to June 30, 1916	8,222	
		31,471
Number of Actions Adjudicated	4,264	
Number of Actions Dismissed	2,227	
Number of Actions Transferred	36	
Number of Actions Pending June 30, 1916	24,944	
		31,471

REMITTITURS FROM SUPREME COURT.

Remittiturs Filed—		
From April 18, 1906, to June 30, 1916		1,360
Remittiturs Filed—		
From July 1, 1915, to June 30, 1916		191
Remittitur Affirmed	106	
Remittiturs Reversed	36	
Remittiturs Dismissed	49	
		191

JUSTICE COURT APPEALS.

Number of Appeals Filed—		
From April 18, 1906, to June 30, 1916		2,772
Number of Appeals Pending June 30, 1915	330	
Number of Appeals Filed—		
From July 1, 1915, to June 30, 1916	404	
		734
Number of Appeals Adjudicated	296	
Number of Appeals Dismissed	16	
Number of Appeals Pending June 30, 1916	422	
		734
Abstracts from Justice Court Filed—		
From April 18, 1906, to June 30, 1915	2,032	
From July 1, 1915, to June 30, 1916	248	
		2,280

QUIET TITLE DEPARTMENT.

(McEnerney Act.)

Number of Actions Filed—		
From June 16, 1906, to June 30, 1916		35,830
Number of Actions Pending June 30, 1915	840	
From July 1, 1915, to June 30, 1916	370	
		1,210
Number of Actions Adjudicated	441	
Number of Actions Pending June 30, 1916	769	
		1,210

PROBATE DEPARTMENT.

Fiscal Year	Estate Commenced					Restored	Missing Persons	LETTERS ISSUED					Totals
	Deceased		Guardianship										
	Testate	Intestate	Minor	Incompetent	Insane			Testamentary	Administration	Administration with Will	Special	Guardianship	
1906-1915 ..	4951	8522	2008	521	244	3047	3	3946	8279	1030	950	2598	19,296
1915-1916 ..	641	903	210	85	19	22	.....	505	882	139	77	305	1,880
Totals	5592	9425	2218	606	263	3069	3	4451	9161	1169	1027	2903	21,176

Number of Actions Pending June 30, 1915	11,990	
Number of Actions Filed from July 1, 1915, to June 30, 1916	1,880	
		13,870
Number of Actions Adjudicated	1,802	
Number of Actions Pending June 30, 1916	12,068	
		13,870

LICENSE DEPARTMENT.

CERTIFICATES RECORDED.

Fiscal Year	Marriage Licenses Issued	Medical	Dental	Optometry	Veterinary Certificates Filed	Osteopathy	Pharmacy	Miscellaneous	Chiropody
1906-1915	47,379	1,122	334	184	20	132	96	397	....
1915-1916	6,542	102	58	6	....	1	29	18	59
Totals	53,921	1,224	392	190	20	133	125	415	59

NATURALIZATION DEPARTMENT.

		Totals.
Old Law—		
Declarations of Intention Issued:		
From April 18, 1906, to September 30, 1906		572
Naturalization of Aliens:		
From April 18, 1906, to September 30, 1906		148
New Law—		
Declarations of Intention Issued:		
From October 1, 1906, to June 30, 1915	9,141	
From July 1, 1915, to June 30, 1916	84	
		9,225
Certified Copies of Declarations of Intention Issued:		
From October 1, 1906, to June 30, 1915	247	
From July 1, 1915, to June 30, 1916	13	
		260
Declarations of Intention Cancelled:		
From October 1, 1906, to June 30, 1916		10
Naturalization Petitions Filed:		
From October 1, 1906, to June 30, 1916		12,913
Naturalization Petitions Pending June 30, 1915	559	
Naturalization Petitions Filed:		
From July 1, 1915, to June 30, 1916	1,870	
		2,429
Naturalization Petitions Granted	1,664	
Naturalization Petitions Denied	105	
Naturalization Petitions Cancelled	.....	
Naturalization Petitions Pending June 30, 1916	660	
		2,429
Certified Copies of Certificates of Naturalization Issued:		
From October 1, 1906, to June 30, 1915	105	
From July 1, 1915, to June 30, 1916	50	
		155

RESTORATION OF NATURALIZATION RECORDS.

(Old Law.)

Petitions Filed—		
From April 18, 1906, to June 30, 1916		6,254
Petitions Pending June 30, 1915	511	
Petitions Filed—		
From July 1, 1915, to June 30, 1916	334	
		845
Petitions Granted	302	
Petitions Denied	363	
Petitions Canceled	.....	
Petitions Pending June 30, 1916	180	
		845
Naturalization Records Canceled by the U. S. Court—		
To June 30, 1916		73

CRIMINAL DEPARTMENT.

		Totals.
Total Number of Criminal Actions Filed from April 18, 1906, to June 30, 1916		7,957
Informations Pending June 30, 1915 (Defendants)	242	
Informations Filed Year Ending June 30, 1916 (668). Defendants	769	
		1,011
Convicted and Sent to Prison	251	
Convicted and Fined	2	
Acquitted	111	
Dismissed	95	
Convicted and Admitted to Probation	223	
Transferred to Juvenile Court	3	
Reserve Calendar—Being Fugitives from Justice, Committed to Insane Asylum or Convicted on Other Charges	51	
Committed to Preston School of Industry	13	
Pending	262	
		1,011
Probation Revoked and Set Aside (Defendants Committed to Prison)		8
Accusations Pending		2
Indictments Pending June 30, 1916 (Defendants)	81	
Indictments Filed Year Ending June 30, 1916 (87). Defendants	115	
		196
Convicted and Sent to Prison	17	
Acquitted	9	
Dismissed	13	
Probation	10	
Pending	147	
		196
Writs of Habeas Corpus:		
Writs Pending June 30, 1915	33	
Writs Issued Year Ending June 30, 1916	99	
		132
Writs Granted	27	
Writs Denied	34	
Writs Dismissed	24	
Writs Withdrawn	7	
Writs Pending	40	
		132
Commitments from Police Court Filed—		
From April 18, 1906, to June 30, 1915	4,644	
From July 1, 1915, to June 30, 1916	754	
		5,398
Appeals from Police Court—		
Appeals Pending June 30, 1915	30	
Appeals Filed from July 1, 1915, to June 30, 1916	33	
		63
Appeals Affirmed	13	
Appeals Modified	14	
Appeals Reversed	21	
Appeals on Reserve Calendar	1	
Appeals Pending	14	
		63

CRIMINAL DEPARTMENT—Continued

		Totals
Appeals to District Court of Appeals—		
Appeals Pending June 30, 1915	7	
Appeals Filed from July 1, 1915, to June 30, 1916	27	
		34
Appeals Affirmed	15	
Appeals Reversed	1	
Appeals Dismissed	1	
Appeals Withdrawn	9	
Appeals Pending	8	
		34
Number of Coroner's Testimony of Inquests Filed—		
From April 18, 1906, to June 30, 1915	4,146	
From July 1, 1915, to June 30, 1916	622	
		4,768

JUVENILE COURT.

Petitions for Commitment of Dependent Children—		
Total Number of Petitions Filed from April 18, 1906, to June 30, 1916 (6,887), Number of Children		9,449
Total Number of Petitions Filed from July 1, 1915, to June 30, 1916 (916), Number of Children		1,236
Total Number of Dependent Children Under the Jurisdiction of the Juvenile Court from July 1, 1915, to June 30, 1916		650
Number of Delinquency Cases Filed—		
From July 1, 1912, to June 30, 1916		2,734
Number of Cases Pending June 30, 1915	30	
Number of Cases Filed—		
From July 1, 1915, to June 30, 1916	916	
		946
Number of Cases Adjudicated	236	
Number of Cases Dismissed	269	
Number of Cases Ordered Off Calendar	411	
Number of Cases Pending June 30, 1916	30	
		946
Number of Contributory Cases Filed—		
From July 1, 1912, to June 30, 1916		216
Number of Cases Pending June 30, 1915	6	
Number of Cases Filed—		
From July 1, 1915, to June 30, 1916	70	
		76
Number of Cases Adjudicated	16	
Number of Cases Dismissed	42	
Number of Cases Ordered Off Calendar	12	
Number of Cases Pending June 30, 1916	6	
		76

STATE HOSPITAL DEPARTMENT.

		Totals.
Number of Examinations of Insane Persons—		
From April 18, 1906, to June 30, 1915	5,860	
From July 1, 1915, to June 30, 1916	734	
		6,594
Number Committed to State Hospital—		
From April 18, 1906, to June 30, 1915	4,163	
From July 1, 1915, to June 30, 1916	628	
		4,791
Number Examined and Discharged—		
From April 18, 1906, to June 30, 1915	1,687	
From July 1, 1915, to June 30, 1916	106	
		1,793
Died—		
From April 18, 1906, to June 30, 1915	10	
From July 1, 1915, to June 30, 1916	-----	
		10
Number of Persons (Insane) Discharged from State Hospital—		
From April 18, 1906, to June 30, 1915	1,573	
From July 1, 1915, to June 30, 1916	288	
		1,861

COMMITMENTS TO STATE HOSPITAL FOR INTEMPERANCE AND USE OF DRUGS.

Number of Examinations—		
From July 1, 1911, to June 30, 1915	1,145	
From July 1, 1915, to June 30, 1016	428	
		1,573
Number Committed to State Hospital—		
From July 1, 1911, to June 30, 1915	954	
From July 1, 1915, to June 30, 1916	362	
		1,316
Number Discharged by Commissioners—		
From July 1, 1911, to June 30, 1915	190	
From July 1, 1915, to June 30, 1916	66	
		256
Number Discharged from State Hospital—		
From July 1, 1911, to June 30, 1915	633	
From July 1, 1915, to June 30, 1916	228	
		861

HOME FOR FEEBLE MINDED.

Number of Examinations—		
From April 18, 1906, to June 30, 1915	217	
From July 1, 1915, to June 30, 1916	26	
		243
Committed to Feeble Minded Home—		
From April 18, 1906, to June 30, 1915	215	
From July 1, 1915, to June 30, 1916	26	
		241
Number Examined and Discharged—		
From July 1, 1907, to June 30, 1915	2	
From July 1, 1915, to June 30, 1916	-----	
		2

POLICE COURT.

		Totals.
Number of Misdemeanors Filed—		
From January 1, 1912, to June 30, 1916		103,679
Number of Misdemeanors Pending June 30, 1915	262	
Number of Misdemeanors Filed—		
From July 1, 1915, to June 30, 1916	31,564	
		31,826
Number of Misdemeanors Dismissed	26,056	
Number of Convictions	5,211	
Number of Misdemeanors Pending June 30, 1916	559	
		31,826
Number of Felonies Filed—		
From January 1, 1912, to June 30, 1916		12,201
Number of Felonies Pending June 30, 1915	649	
Number of Felonies Filed—		
From July 1, 1915, to June 30, 1916	3,039	
		3,688
Number of Felonies Held to Answer	754	
Number of Felonies Dismissed	2,147	
Number of Felonies Pending June 30, 1916	787	
		3,688

APPEALS.

Appeals Taken from July 1, 1912, to June 30, 1916		208
Appeals Pending June 30, 1915	30	
Appeals Taken from July 1, 1915, to June 30, 1916	33	
		63
Appeals Affirmed	13	
Appeals Modified	14	
Appeals Reversed	21	
Appeals Dismissed	-----	
Reserve Calendar	1	
Appeals Pending June 30, 1916	14	
		63

Department of Weights and Measures

Hon. James Rolph, Jr., Mayor,
Hon. Board of Supervisors,
San Francisco, Cal.

Gentlemen:—I have the honor to submit the annual report of the work performed by the Department of Weights and Measures for the fiscal year 1915 1916.

WEIGHING AND MEASURING APPARATUS INSPECTED.

Scales	Approved	Condemned and Confiscated
Counter Scales	1,527	
Spring Scales	3,571	
Computing Scales	2,132	
Portable Platform Scales	1,132	
Dormant Platform Scales	346	
Suspension Beam Scales	141	
Railway Track Scales	41	
Miscellaneous Scales	6	739
Total Scales	8,896	739
Measures (Liquid)	5,571	1,368
Measures (Lineal)	76	
Total Measures	5,647	1,368
Weights	6,068	483
Total Weights	6,068	483
Milk Bottles Designated Liquid Capacity	1,681,728	55,634
Total Milk Bottles	1,681,728	55,634
Merchandise in Packages or re-weighed and measured	39,940	9,634
Total Packages	39,940	9,634
Total Inspections	1,742,279	67,858

GRAND TOTALS.

Scales	Inspected	Condemned and Confiscated
Scales	8,896	739
Measures	5,647	1,368
Weights	6,068	483
Milk Bottles	1,681,728	55,634
Packages	39,940	9,634
Arrests and Prosecutions	33	
Total	1,742,312	67,858

GENERAL OUTLINE.

I take occasion at this time to refer to the work of the Department for the previous year 1914-1915, a period really covering our first year of practical efficiency, when the matter of weight and measure regulation by law in San Francisco, was prosecuted by wholesale confiscation and destruction of 25,000 pieces of inaccurate weighing and measuring devices encountered in use among the trade, and to call to your attention the item of confiscation and condemnation of scales, weights and measures during the past year, numbering 2,530, exclusive of milk bottles as compared to the year previous.

In citing to you this comparison and vast decrease of faulty apparatus in so short a period, I feel that the success of our work in this one particular line of our duties, has not alone been zealously prosecuted, but a large result has been accomplished in the almost absolute suppression of inaccurate weighing and measuring devices among our merchant trade, that for years had dealt out to the purchasing public millions of dollars worth of commodities and merchandise of all kinds, over dishonest scales and short capacity measures. The satisfaction that I feel by reason of this one accomplishment, should be shared in by every honest dealer and storekeeper who must surely feel that his particular business, together with all others in the city of San Francisco, is now on a more equal basis of competition.

NIGHT INSPECTION AND PURCHASING OF COMMODITIES.

Weights and measures practically enter into every business transaction in the bargain and sale of merchandise, and while effective inspection of weighing and measuring apparatus prevents dishonesty to a certain extent, there is to be further considered the retailer with unscrupulous motives, always bent on skimping the weight of food stuffs he deals out to the public no matter how accurate his weighing and measuring devices may be.

While it is true that in most instances the absolute loss is not great, however for a large city the aggregate is enormous during a fiscal year, and the poorer classes are the greater sufferers, for they purchase frequently in small quantities and a slight quantity means proportionately more in small purchases. Therefore, with the weighing and measuring apparatus throughout the city in a high state of accuracy, it is my intention this year to allot some time of the deputies of the department, particularly on Saturday evenings, to visit markets and stores, and make small purchases of food stuffs and other articles of merchandise, through which method of inspection work the city can be canvassed and so uncover and prosecute the dealer found surreptitious of skimping weight and measure, no matter how small the shortage may be.

While my first consideration is that the average tradesman is honest, it is nevertheless a matter of public concern that the consumers be protected from sharp practices, whether due to carelessness or "Trade Custom" or by weighing paper or other containers in the weight of the commodity without attracting the attention of the customer.

STATE DEPARTMENT REGULATIONS.

In conjunction with the efforts of your Department to enforce honest weight and measure in every transaction had between the purchasing public and the dealer during the past year, I must say in this connection that many valuable and exceedingly practical recommendations have been received from the State Superintendent of Weights and Measures, Mr. Chas. G. Johnson.

Under the State statute the Superintendent is empowered to issue regulations governing the manner of sale of commodities of all kinds, which regulation becomes arbitrary on the manufacturer, packer, retailer or jobber, the enforcement of which is placed in the hands of the county Sealers of the State,

and such efforts of the State Superintendent to make honest dealing and equal competition so vital to community welfare, is of tremendous assistance to the work of your Department and marks the commencement of elimination in California of many trade customs and sharp practices.

Notably among the regulations issued by the State Department are:

Net weight, net measure and net count, exclusive of wrappers or containers of every article of food product and merchandise in general.

Enforcement of the Public Weighmaster Law, placing every public weigher in the State under a $1,000 bond and the issuing of a State form of receipt, thereby assuring a moral and financial responsibility for their acts.

Enforcing numerical net count of Shingles and Lath, making it no longer possible for the trade custom to prevail of delivering four (4) bundles to the 1,000 that contained a count of 800.

Requiring Creameries and Dairies to put up butter in one pound and two (2) pound squares only, unless sold from bulk.

Regulating the marketing of containers in the sale of olives.

Fixing a standard weight of berries when offered for sale in baskets or containers.

Fixing a standard of Liquid Measure on paper pails used in the sale of food stuffs, also ice cream containers, and many other opinions and regulations of valuable assistance in weights and measure work for the protection of the consumer.

MISREPRESENTATION IN SALE OF MERCHANDISE.

So accustomed have the public become to register nearly all their grievances arising in the purchasing of merchandise of every description with your Department of Weights and Measures, that investigating these grievances occupies considerable time. This character of our work I consider a most important factor as it originates directly from solicitations of the public, who have not been able heretofore to register complaints of such character with any other department of the city government; notably among complaints filed, was that of the Mission Merchants Association, complaining of the legitimate business of the members of their association being impaired through the operations of a gang of Salvage Dealers setting up fake sales of merchandise in their vicinity, extensively advertising fire and water damaged goods as staple articles, at greatly reduced prices.

My investigation in this matter proved the complaint of the merchants to be well founded, and assuming authority for arresting and prosecuting the salvage gang from Ordinance (2359) of the Board of Supervisors, which prohibits false advertising and misrepresentation of the sale of merchandise, I successfully secured convictions of six of the leading salvage dealers. The arrests, convictions and public exposure of their character of business had the necessary moral effect of protecting to a great extent, the legitimate trade of the reputable retailers.

Quite a number of unscrupulous retail grocers were encountered falsely advertising food-stuffs, to the extreme disadvantage of the mass of legitimate grocers of San Francisco, on whom I invoked the authority of the misrepresentation Ordinance (2359) putting a stop to the nefarious practice of imposing on the public, and I take this occasion to state that the Ordinance mentioned, under which this department cleared up the evils complained of, is one of the most valuable laws of our municipality.

COMMODITIES OF THE HOUSEHOLD.

It gives me great pleasure to report that fair dealing, honest weight and honest measure predominates in nearly all branches of the retail trade through-

out the city, and the condition as encountered in 1914-1915 compared to the closing year is gratifying in the fullest degree.

COAL.

The "Coal Ordinance" has likewise made a wonderful reform in the sale of that commodity. The dealer who had been guilty of short weighing is confronted with the possibility of being checked up en route with their deliveries, and when found short weight in comparison with their delivery tags, placed under arrest, prosecuted and fined. This has had the desired effect of guaranteeing honest weight deliveries. Deputies of the Department are constantly weighing up loads encountered on our public streets and the number of discrepencies are extremely minimum.

BREAD.

The Bread Ordinance passed by your Honorable Board and approved by his Honor, the Mayor, April 8, 1914, providing that all bread sold or offered for sale shall weigh not less than twelve (12) ounces avoirdupois, also that bread may be sold in single, double, triple, quadruple, quintuple and sextuple loaves and in no other way, has worked a great benefit to every household in the city. The bakers contention, when the Ordinance was up for passage by your Honorable Board, to the effect that the weight of the loaf fluctuated with the price of flour, has ceased to be agitated, and the Bread Ordinance at this date is looked upon by the bakers of San Francisco as one of their biggest assets in regulating equal and fair competition.

BUTTER.

This staple commodity so essential in every household is reaching the consumers in absolute standard weight, as evidenced from the records of this department. As reported to you in my findings during our first year of activity, that the erroneous condition of the weight of butter in squares or prints, which is the customary manner of sale by which the commodity reaches the consumer, was almost entirely chargeable to the creameries of the state engaged in supplying this market, was well founded, and I am pleased to say, checked through a regulation of the State Department.

Creameries are now compelled when putting up butter in rolls or prints to conform to a standard size of one (1) pound and two (2) pound squares unless otherwise sold in cubes and in no other way. This regulation eliminates the marketing of one and one-half (1½) pound squares, and other irregular fractions that for years had been sold by dealers, resulting in misleading and deceiving the public.

MILK BOTTLES.

Much though, time and study of the department was also given in bringing about accurate capacity in milk bottles used in the distribution of milk in San Francisco, and I am pleased to report that a solution of the problem was accomplished under an arrangement perfected by State Superintendent of Weights and Measures, Mr. Chas. G. Johnson, and this department, with the Glass Manufacturers and manufacturers agents in San Francisco, providing an inspection through which it is almost impossible for short measure milk bottles to reach the consumers of the city, or throughout the State of California, as San Francisco is the distributing point for a large percentage of the milk bottles used in the State. Certificates approving 1,681,728 milk bottles were issued in the past year, during which time confiscations of 55,634 took place.

GASOLINE AND GASOLINE PUMPS.

A systematic inspection has been rigidly made on pumping apparatus used in the sale of gasoline to automobile owners to see that the same delivers accu-

rate measure, and from the minimum number of complaints of short measure called to my attention I feel assured the public is being fairly dealt with in that respect, but I do submit and contend that in the sale of gasoline during the past year no grosser deceit, deception and fraud could possibly be practiced on the public, than has taken place in the sale of gasoline through the substitution of distillate, and charging the consumer therefore gasoline prices. An attempt was made by this department to check the gigantic fraud which is going on by making an arrest of a large oil concern for misrepresentation of merchandise, but due to the fact that there is no ordinance in San Francisco, or any other regulation legally stipulating that a commodity termed "gasoline" is a specific product, and not a custom term for a certain gravity distillate, I was compelled to drop the proceedings. This Department reported to the Fire Committee of the Board of Supervisors, the condition existing in the substitution of gasoline for distillate, requesting that an ordinance be passed establishing a specific gravity on the product commonly and customarily termed "gasoline" permitted to be sold in San Francisco. The proposed Ordinance is at the present time under consideration by the Committee, for its promulgation into form to effectively standardise gasoline and regulate its sale, the prosecution of which with our many other routine duties I will be pleased to enforce.

In conclusion will state (though this department has been handicapped in its work for a few months through moving the offices) we are now permanently located in offices on the ground floor of the new City Hall, adaptable for the inspection work of the Department and with every convenience to the public, and it affords me extreme pleasure to inform you that San Francisco today possesses as fine and complete a set of Standard Weights and Measures as can be found in any Sealers office in the United States.

In will be my endeavor to keep the work of the Department up to a high standard during the current year.

Respectfully submitted,

LAWRENCE J. DOLAN,
Sealer of Weights and Measures.

Report of Chief of Police

To the Honorable James Rolph, Jr.,
Mayor of the City and County of San Francisco, State of California.

Sir:—In compliance with Section 9, Article XVI, of the Charter I submit herewith the Annual Report of the Police Department for fiscal year ending June 30, 1916.

Very respectfully,

D. A. WHITE,
Chief of Police.

EXHIBIT "A"

STRENGTH OF THE POLICE DEPARTMENT AND SUMMARY OF ACTION TAKEN BY THE BOARD OF POLICE COMMISSIONERS IN THE TRIAL OF COMPLAINTS AGAINST MEMBERS THEREOF DURING THE FISCAL YEAR ENDING JUNE 30, 1916.

BOARD OF POLICE COMMISSIONERS JUNE 30, 1916.

Theodore J. Roche.....Commissioner and President of the Board
James Woods.....Commissioner
Jesse B. Cook.....Commissioner
Thomas E. Shumate.....Commissioner

CHARLES F. SKELLY, Secretary.

NUMERICAL STRENGTH AND RANK OF THE DEPARTMENT AND THE ANNUAL SALARY ATTACHED TO EACH, JUNE 30, 1916.

4	Police Commissioners, each	$1,200.00
1	Secretary to Commissioners	1,500.00
1	Stenographer to Commissioners	1,800.00
1	Police Surgeon	1,500.00
1	Chief of Police	4,000.00
1	Captain of Detectives	3,000.00
9	Captains of Police, each	2,400.00
1	Chief Clerk	2,400.00
1	Property Clerk	2,400.00
18	Lieutenants of Police, each	1,920.00
25	Detective Sergeants, each	1,800.00
73	Sergeants of Police	1,680.00
52	Corporals of Police	1,560.00
762	Patrolmen	1,464.00
3	Engineers on Patrol Boat, each	1,500.00
26	Patrol Wagon Drivers	1,200.00
25	Patrol Wagon Drivers, each	1,200.00
9	Hostlers, each	1,140.00
1	Prison Cook	1,200.00
4	Prison Matrons, each	1,080.00
4	Telephone Operators, each	1,020.00
3	Police Protective Women, each	1,200.00
2	Stenographers, each	1,200.00
1	Confidential Secretary to the Chief	2,400.00

APPOINTMENTS AND REMOVALS DURING THE YEAR ENDING JUNE 30, 1916.

Police Officers, died	9
Police Officers, dismissed	4
Police Officers, retired	2
Police Officers, appointed	18
Police Officers, restored	1
Police Ofzcers resigned	1
Women Protective Officers, dismissed	1
Women Protective Officers, appointed	1
Patrol Wagon Drivers, appointed	1

ACTION TAKEN BY THE BOARD IN TRIAL OF MEMBERS OF THE POLICE FORCE ON CHARGES DURING THE YEAR ENDING JUNE 30, 1916.

Number of complaints filed	53
Number of complaints sustained by dismissal from department	4
Number of complaints sustained by fines	14
Number of complaints sustained by reprimand	5
Number of complaints dismissed	30
Aggregate amount of fines	$1,115.00

EXHIBIT "B"

RETAIL LIQUOR DEALERS.

Total number of licensed placed June 30th, 1915		2,044	
Total number of new permits granted (steamers)		1	
			2,045
Applications withdrawn	111		
Applications refused	25		
Applications renewal	7,775		
Applications to purchase	375		
Applications to remove	102		
Total number of applications received during the fiscal year ending June 30th, 1916	8,388		
Permits revoked		25	
Retired from business		42	
			67
Total number of licensed places June 30, 1916			1,978
Straight saloons		1,516	
Restaurants		144	
Saloon and Restaurants		119	
Boarding House and Bar		38	
Hotels		9	
Hotel and Bar		114	
Sealed Packages		14	
Ferry Boats		15	
Concert Halls		1	
Billiard Halls		4	
Bowling Alleys		3	
Halls		1	
			1,978

VIOLATION OF LIQUOR LICENSE LAW.

Cases pending June 30th, 1915		6	
Number dismissed		4	
Reserve calendar		2	
Arrests made during the fiscal year ending June 30, 1916		52	
Number of cases Dismissed	43		
Number of convictions	7		
	2		
		52	
Amount of fines paid after conviction			$225

ARRESTS FOR PEDDLING WITHOUT A LICENSE.

Cases pending June 30th, 1915		2	
Number dismissed		2	
Arrests made during the fiscal year ending June 30, 1916		109	
Number of cases dismissed	105		
Convicted and O. R.	4		
Convicted and fined	0		
Convicted and sent to jail	0		
Cases pending	0		
		109	
Amount of fines and forfeitures			.00

AUCTIONEERS.

Total number of licensed places June 30, 1915		35	
Total number of new permits granted during the fiscal year year ending June 30, 1916		8	
			43
Applications withdrawn	1		
Applications refused	0		
Permits revoked	0		
Retired from business		8	
			8
Total number of licensed places June 30, 1916			35

INTELLIGENCE OFFICE KEEPERS.

Total number of licensed places June 30, 1915		55	
Total number of new permits granted during the fiscal year ending June 30, 1916		3	
			58
Applications withdrawn	1		
Applications refused	2		
Permits revoked	0		
Retired from business		13	
			13
Total number of licensed places June 30, 1916			45

Net loss 10.

PAWN BROKERS.

Total number of licensed places June 30, 1915		47	
Total number of new permits granted during the fiscal year ending June 30, 1916		5	
			52
Applications withdrawn	0		
Applications refused	0		
Permits revoked	0		
Retired from business		8	
			8
Total number of licensed places June 30, 1916			44

Net loss 3.

SECOND HAND AND JUNK DEALERS.

Total number of licensed places June 30, 1915		255	
Total number of new permits granted during the fiscal year ending June 30, 1916		115	
			370
Applications withdrawn	9		
Applications refused	10		
Permits revoked		3	
Retired from business		36	
			39
Total number of licensed places June 30, 1916			331

Net gain 76.

KINETOSCOPES.

Total number of licensed places June 30, 1915		87	
Total number of new permits granted during the fiscal year ending June 30, 1916		21	
			108
Applications withdrawn	3		
Applications refused	0		
Permits revoked	0		
Retired from business		27	
			27
Total number of licensed places June 30, 1916			81

Net loss 6.

PANORAMAS.

Total number licensed places June 30, 1915		1	
Retired from business		0	
Total number licensed places June 30, 1916			1

MOVING PICTURE EXHIBITIONS.

Total number of Moving Picture Exhibitions in Theatres June 30, 1915		16	
Total number of new permits granted during the fiscal year ending June 30, 1916		5	
			21
Applications withdrawn	1		
Applications refused	0		
Permits revoked	0		
Retired from business		7	
			7
Total number of licensed places June 30, 1916			14

Net loss 2.

SKATING RINKS.

Total number of licensed places June 30, 1915		0	
Total number of new permits granted during the fiscal year ending June 30, 1916		0	
Applications withdrawn	2		
Applications refused	1		
Total number of licensed places June 30, 1916			0

MUSEUMS.

Total number of licensed places June 30, 1915		5	
Total number of new permits granted during the fiscal year ending June 30, 1916		4	
			9
Applications withdrawn	2		
Applications refused	3		
Permits revoked	0		
Retired from business		8	
			8
Total number of licensed places June 30, 1916			1

Net loss 4.

DETECTIVE AGENCIES

Total number of licensed places June 30, 1915		13	
Closed by State Law, September 7th, 1915		13	
			0

SHOOTING GALLERIES.

Total number of licensed places June 30, 1915		13	
Total number of new permits granted during the fiscal year ending June 30, 1916		6	
			19
Applications withdrawn	0		
Applications refused	2		
Permits revoked	0		
Retired from business		7	
			7
Total number of licensed places June 30, 1916			12

Net loss 1.

CARRYING CONCEALED WEAPONS.

Total number licenses out June 30, 1915		76	
Total number of applications received during the fiscal year ending June 30, 1916		81	
Applications refused		32	
Total number of applications granted during the fiscal year ending June 30, 1916			49

Net loss 27.

LICENSED GUIDES.

Total number of licensed guides June 30, 1915		33	
Total number of new permits granted during the fiscal year ending June 30, 1916		31	
			64
Applications withdrawn	1		
Applications refused	1		
Permits revoked		1	
Retired from business		52	
			53
Total number of licensed guides June 30, 1916			11

Net loss 22.

ONE DAY LIQUOR DEALERS.

Total number of applications granted during the fiscal year ending June 30, 1915	597		
Total number of applications received during the fiscal year ending June 30, 1916		358	
Applications withdrawn		4	
Total number of applications granted during the fiscal year ending June 30, 1916			354
Net loss 243.			

PEDDLERS.

Total number of applications received during the fiscal year ending June 30, 1916		2,193	
			2,193
Applications withdrawn	10		
Applications refused	1		
			11
Total number of permits granted			2,182

JUNK GATHERERS.

Total number of licensed Junk Gatherers June 30, 1915		113	
Total number of new permits granted during the fiscal year ending June 30, 1916		188	
			301
Applications withdrawn	1		
Applications refused	1		
Retired from business		27	
			27
Total number of licensed Junk Gatherers June 30, 1916			274

SOLICITORS.

Total number of licensed solicitors June 30, 1915		138	
Total number of new permits granted during the fiscal year ending June 30, 1916		79	
			217
Applications withdrawn	0		
Applications refused	1		
Retired from business		158	
			158
Total number of licensed solicitors June 30, 1916			59
Net loss 79.			

MOTORMEN.

Total number of licensed motormen June 30, 1915		3,637	
Total number of applications received during the fiscal year ending June 30, 1916		2,834	
Applications withdrawn	1		
Applications refused	2		
Permits revoked		30	
Total number of licensed motormen June 30, 1916			2,804
Net loss 833.			

BILLIARD PARLORS.

Total number of licensed places June 30, 1915		398	
Total number of new permits granted during the fiscal year ending June 30, 1916		57	
			455
Applications withdrawn	4		
Applications refused	17		
Permits revoked		2	
Retired from business		75	
			77
Total number of licensed places June 30, 1916			378

Net loss 20.

SPECIAL POLICE OFFICERS.

Total number of Special Police Officers June 30, 1915		1,053	
Total number of applications granted during the fiscal year ending June 30, 1916		577	
			1,610
Applications refused	10		
Appointments revoked		411	
			411
Total number of Special Police Officers June 30, 1916			1,199

SEALED PACKAGE LIQUOR DEALERS.

Total number of sealed package liquor dealers June 30, 1915		2,266	
Total number of new permits granted during the fiscal year ending June 30, 1916		462	
			2,728
Applications renewal	1,586		
Applications withdrawn	1		
Permits revoked		4	
Retired from business		676	
			680
Total number of sealed package liquor dealers June 30, 1916			2,048

JITNEY BUS OWNERS.

Total number of licensed jitney bus owners June 30, 1915		774	
Total number of new permits granted during the fiscal year ending June 30, 1916		1,350	
			2,124
Applications refused	3		
Permits revoked		758	
Retired from business		711	
			1,469
Total number of licensed jitney bus owners June 30 1916			655

Net loss 119.

JITNEY BUS OPERATORS.

Total number of licensed jitney bus operators June 30, 1915		771	
Total number of new permits granted during the fiscal year ending June 30, 1916		1,462	
			2,233
Applications refused	3		
Permits revoked		899	
Retired from business		188	
			1,087
Total number of jitney bus operators June 30, 1916			1,146

Net gain 375.

DRIVERS.

Total number of licensed drivers June 30, 1915		69	
Total number of applications received during the fiscal year ending June 30, 1916		34	
Total number of licensed drivers June 30, 1916			34

Net loss 35.

DANCE HALLS.

Total number of licensed places June 30, 1915		0	
Total number of new permits granted during the fiscal year ending June 30, 1916		161	
			161
Applications withdrawn	9		
Applications refused	76		
Permits revoked		1	
Permits refused on renewal		1	
Retired from business		33	
			35
Total number of licensed places June 30, 1916			126

EXHIBIT "C"

POLICE STATIONS AND THEIR LOCATIONS.

Company	No. of District	Name of Station	Location
A	1	Central Station	Hall of Justice
B	2	Southern Station	Fourth Street near Clara Street
C	3	Harbor Station	Drumm and Commercial Streets
D	4	Mission Station	Seventeenth and Division Streets
E	5	Bush Street Station	Bush St. bet. Polk and Van Ness
F	6	Golden Gate Park Station	Golden Gate Park opp. Waller Street
G	7	Richmond Station	453 Sixth Avenue
G	7	Sub Station	2117 O'Farrell Street
H	8	Ingleside Station	Ocean and San Jose Avenues
I	9	Potrero Station	2300 Third Street
I	9	Sub Station	1676 Newcomb Avenue
J	10	North End Station	2476 Greenwich Street

EXHIBIT "D"

COMPARATIVE STATEMENT OF THE NUMBER OF ARRESTS AND STRENGTH OF THE POLICE FORCE FOR THE THIRTY-EIGHT ENDING JUNE 30th, 1916.

Years	Number of Officers	Number of Arrests
1878-1879	329	22,120
1879-1880	340	21,063
1880-1881	400	23,011
1881-1882	400	25,969
1882-1883	400	24,149
1883-1884	400	25,591
1884-1885	400	24,432
1885-1886	406	26,587
1886-1887	406	23,805
1887-1888	406	29,466
1888-1889	406	23,462
1889-1890	406	23,549
1890-1891	406	24,528
1891-1892	456	28,417
1892-1893	456	25,987
1893-1894	456	25,824
1894-1895	482	25,960
1895-1896	557	30,462
1896-1897	559	29,168
1897-1898	559	28,013
1898-1899	559	27,769
1899-1900	588	26,485
1900-1901	588	27,362
1901-1902	607	28,482
1902-1903	643	29,336
1903-1904	671	36,208
1904-1905	707	35,893
*1905-1906	708	878
1906-1907	759	27,013
1907-1908	802	38,738
1908-1909	817	34,336
1909-1910	846	29,855
1910-1911	920	32,914
1911-1912	935	35,594
1912-1913	940	37,333
1913-1914	945	38,615
1914-1915	945	44,131
1915-1916	945	51,430

* Records of 1905-1906 were destroyed by fire except from April 18th, to July 1st, 1906.

EXHIBIT "E"

PATROL WAGON SERVICE.

Number of Runs	30,299
Number of Miles Traveled	66,242
Prisoners brought to Station	34,468
Prisoners Transferred	960
Fires Attended	1,128
Sick and Injured Taken to Hospital	3,217
Insane Persons cared for	382
Lost Children Restored to Parents	382
Emergency Runs, for supplies, etc	151
False Alarms	589

EXHIBIT "F"

SUBPOENAS SERVED.

Superior Court	1,280
Police Court	4,016
Coroner	2,678
Grand Jury	42
Police Commissioners	183
Foreign	11
Total	8,210

EXHIBIT "G"

REPORT OF POLICE COURT APPEALS TO THE SUPERIOR COURT AND DISPOSITION OF SAME FOR THE FISCAL YEAR ENDING JUNE 30, 1916.

Appeals pending June 30, 1915	30	
Appeals filed during the fiscal year ending June 30, 1916	33	
Judgments Affirmed		13
Judgments Reversed		21
Judgments Modified		14
Reserved Calendar		1
Appeals pending, June 30, 1916		14
	63	63

RECORD OF POLICE COURT FINES AND FORFEITURES FOR THE FISCAL YEAR ENDING JUNE 30, 1916.

Police Court, Department No. 1	$ 6,222.00
Police Court, Department No. 2	5,830.00
Police Court, Department No. 3	5,260.00
Police Court, Department No. 4	6,895.00
Total	$24,207.00

EXHIBIT "H"

REPORT OF BUREAU OF IDENTIFICATION, PHOTOGRAPHS AND DESCRIPTION OF CRIMINALS ON HAND JUNE 30, 1916.

Prisoners measured and photographed	996
Fingerprints taken	14,427
Identifications made	1,027
Photographs with descriptions received	9,597
Fingerprints received	5,380
Photographs and fingerprints sent to other departments	26,700
Prior convictions furnished District Attorney	712
Letters written	222
Letters received and acted upon	673
Circulars prepared and mailed	26,295
Circulars received	1,425
Fingerprints sent to cities not on exchange list	412
Fingerprints sent to cities on exchange list	12,600
Photographs, descriptions, etc., sent out for publication	95
Photographs with descriptions on hand June 30, 1915	114,040
Local photographs filed	996
Photographs with descriptions received during the fiscal year	9,597
Total photographs with descriptions on hand June 30, 1916	124,633
Fingerprints on hand June 30, 1915	18,816
Local fingerprints filed	996
Fingerprints received from other departments	5,380
Total fingerprints on hand June 30, 1916	25,192

EXHIBIT "I"

REPORT OF DETAIL ON WAYWARD GIRLS AND WOMEN, NUMBER OF ARRESTS, CONVICTIONS, PERSONS ASSISTED AND MISSING GIRLS RETURNED TO THEIR HOMES FOR FISCAL YEAR ENDING JUNE 30, 1916.

Total number of girls and women reported missing (local)	168		
Total number missing girls and women located (local)		167	
Investigations pending		1	
			168
Total number of girls and women reported missing (outside)	62		
Total number missing girls and women located (outside)		62	
			230
Total number missing girls and women returned to their homes	112		
Total number missing girls and women sent to Detention Home	117		
Investigation pending	1		
			230
Complaints received and investigated	1,596		
Destitute persons assisted	169		
Amount collected in fines			$660.00

EXHIBIT "J"

REPORT OF DETECTIVE BUREAU SHOWING THE ESTIMATED VALUE OF LOST OR STOLEN PROPERTY AND OF PROPERTY RECOVERED DURING THE FISCAL YEAR ENDING JUNE 30, 1916.

Property reported lost or stolen, amount	$281,402.06
Property reported lost or stolen, recovered	166,863.55
Automobiles reported stolen during year	726
Automobiles recovered	683
Automobiles not recovered	43
Missing people reported to Department	1164

EXHIBIT "K"

LETTERS AND TELEGRAMS RECEIVED AND SENT OUT DURING THE FISCAL YEAR ENDING JUNE 30, 1916.

Letters Received	4,670
Letters Sent Out	6,940
Telegrams Received	1,578
Telegrams Sent Out	1,454

EXHIBIT "L"

TABULATED STATEMENT OF OFFENSES CHARGED AND ARRESTS MADE BY THE POLICE DEPARTMENT OF SAN FRANCISCO FOR THE FISCAL YEAR ENDING JUNE 30, 1916.

Abandonment and Neglect of Wife	45
Abortion	2
Adultery	23
Administering Drugs, etc., with Intent to Produce Miscarriage	4
Administering Stupefying Drugs	2
Arson	8
Arson, Attempted	3
Assault	3
Assault to Commit Bodily Injury	23
Assault with Caustic Chemicals	1
Assault with Deadly Weapon	177
Assaut, Indecent	1
Assault to Murder	98
Assault to Rape	9
Assault to Rob	25
Attempt to Obtain Money or Goods by False Pretenses	1
Automobile State Motor Vehicle Act	805
Adult Child, Duty of to Provide for Indigent Parents	4
Accessories	6
Battery	1,263
Begging	1,528
Bench Warrant	187
Bigamy	3
Blasting Ordinance	4
Bribery	5
Burglary	504
Burglary, Attempted	34
Burglar's Tools, Having in Possession	8
Building Ordinance Violated	35
Child Stealing	1

Concealed Weapon, Black Jack	8
Concealed Weapon, Brass Knuckles	2
Concealed Weapon, Hatchet	1
Concealed Weapon, Knife	8
Concealed Weapon, Pistol	216
Concealed Weapon, Slung Shot	1
Conspiracy	13
Crime Against Children	34
Crime Against Nature	4
Cruelty to Animals	119
Cruelty to Children	21
Compounding a Crime	1
Dependent	83
Dancing Ordinance	12
Defrauding Stable Keeper	1
Defrauding Inn Keeper	83
Dentistry Practicing, No License	9
Deserter from United States Navy	6
Deserter from United States Army	20
Disorderly Housekeeping	11
Disturbing the Peace	2,260
Dog, Keeping Vicious	1
Driving off Horse and Buggy Without Consent of Owner	3
Drug Order Violating, Selling Morphine, Cocaine, Opium, etc., Without a Physician's Prescription	506
Drunk	14,472
Drunk, Common	1,237
Embezzlement, Felony	132
Embezzlement, Misdemeanor	97
Employment Office, Ordinance Violating	2
Enroute	751
Enroute to Almshouse	114
Evading Payment of Railroad Fare	5
Exhibiting Deadly Weapon in a Rude and Threatening Manner	20
Extortion	1
Extortion, Attempted	4
Failure to Provide for Minor Child	255
False Personation	1
False Pretenses, Obtaining Money or Goods by	111
Fictitious Check Passing and Making	185
Fictitious Instrument Making and Passing	36
Fire Arms, Discharging in City Limits	28
Fire Arms, Selling to Minors	1
Fire and Police Telegraph, Interference With	8
Fire Ordinance, Violating	21
Fish Law, Violating	50
Forcible Entry and Detiner	5
Forgery	110
Fortune Telling Ordinance Violated	2
Fraudulent Conveyance	110
Fraudulently Concealed Property	1
Fraud in Keeping Accounts in Books of Corporations	1
Gambling, Craps	21
Gambling, Dice	114
Gambling, Faro	3
Gambling House Keeping	219

Gambling House Visiting	1,849
Gambling Implements in Barricaded Premises, Prohibiting	2,019
Gambling, Lottery-tickets in possession and Drawing	1,050
Gambling, Lottery, Aiding and Managing	8
Gambling, Lottery House Keeping	261
Gambling, Lottery House Visiting	372
Gambling, Lottery Ticket Selling	51
Gambling, Slot Machine	1
Gambling, Poker	34
Gambling, Pool Selling	98
Game Law Violating	1
Gas Stealing	3
Hackney Ordinance, Violating	133
Health Ordinance, Violating	146
Held as Witness	4
Investment Company, Act 1913	1
Interference With Electric Wires	7
Injury to Telegraph and Telephone Lines	2
Ill Fame, Inmate of House of	73
Ill Fame, Keeping House of	17
Ill Fame, Keeping Minor in House of	0
Ill Fame, Placing Female in House of	1
Ill Fame, Placing Wife in House of	2
Ill Fame, Visitor of House of	11
Incest	1
Indecent Exhibition	5
Indecent Exposure	67
Insanity	174
Insurance, Laws not Complied With, Foreign Companies	1
Interfering with an Officer	31
Intemperate	140
Jitney Bus Ordinance, Violating	149
Larceny, Grand by Trick and Device	3
Labor Law, Violating	8
Language, Vulgar or Profane	1
Larceny, Grand	491
Larceny, Grand, Attempted	21
Larceny, Petit	802
Larceny, Petit, Attempted	6
Larceny, Petit, Trick and Device	24
Laundry Order, Violating	82
Lewd and Indecent Act, Attempt to Commit	1
Lewd and Indecent Act, Committing and Soliciting	34
Lible	5
License Law, Liquor	64
License Law, Merchandise	3
License Law, Violating	100
License, Peddling Without	108
License, Selling on Election Day	1
Liquor, State Law, Violating	13
Liquor, permit Ordinance, Violating	10
Malicious Mischief	325
Manslaughter	103
Mayhem	13
Medicine, Practicing Without License	8
Medical Treatment	1
Members of National Guard, Insubordination of	5

Milk Ordinance Violating	57
Minor, Allowing in Pool Rooms or Saloons	5
Minor, Selling Liquor to	4
Minor, Selling Tobacco to	3
Murder	40
Motor Vehicles, Driver of, Duty in Collision, Violating	16
Motor Vehicles, Driver of, Intoxicated Neglects Duty	2
Obscene Literature, Having in Possession	4
Obscene Pictures, Having in Possession	4
Operating Motor Vehicles While Intoxicated	41
Opium, Carrying into City Prison	2
Opium Place, Keeping	29
Opium Place, Visiting	92
Ordered into Custody	397
Optometry, State Law Violating	2
Officer of Corporation to Permit an Inspection	2
Parole and Probation, Violating	14
Park Ordinance, Violating	9
Perjury	7
Personating an Officer	10
Pound Ordinance, Violating	4
Public Institution	345
Pure Drug Law of California, Violating	19
Pure Food Law, Violating	154
Public Nuisance, Committing or Maintaining	42
Preventing or Dissuading Witness From Attending	1
Personal Property, Broker Act	1
Rape	58
Receiving Stolen Goods	65
Refusing to Move On	63
Removing Mortgaged Property	4
Resisting an Officer	84
Robbery	216
Robbery, Atempt	21
Runner and Solicitor's Ordinance, Violating	28
Requiring Surgeons to Report Accidents	4
Removal Report Ordinance, Violating	1
Second-hand and Junk Dealers Ordinance, Violating	18
Seduction	7
Sidewalk, Expectorating on	1
Sidewalk Ordinance, Violating	35
Smoking on Street Cars	1
Sodomy	5
Sodomy, Attempted	2
Soliciting Prostitution	326
State Pander Law, Violating	4
State Pimp Law, Violating	22
Street Car Obstruction	1
Street, Distributing Hand Bills on	15
Street Ordinance, Violating	1,656
Surrendered by Bondsmen	30
Stealing Electricity	4
State School, Violating	2
Taking Motor Vehicles, Bicycles Temporarily Without Owner's Consent	13
Theatrical Exhibitions, Performance and Public Entertaining, Ordinance Violating	4

Threats to Kill	67
Trademark, Violation of	6
Trespass	14
Tenement House Act, Violating	6
Unlawful Conversion of Military Property	2
Unlawful Mutilation or Removal of Dead Bodies	1
Urinating in Public Streets	3
Violating Mann Act	1
Vagrancy	11,865
Violating Chapter 663, Statutes of California	7
Violating Chapter 282, Statutes of California	1
Violating Chapter 143, Statutes of California	3
Violating Chapter 352, Statutes of California	1
Violating Chapter 628, Statutes of California	11
Violating or Omitting Sections 1 and 3 of Statutes of California, Chapter 258	3
Violating State Hotel and Lodging House Act	2
Violating Section 645, Act of Legislature	1
Violating Chapter 167 and 639 Statutes of California	1
Violating Sections 32 Chapter 597 Statutes 1915	2
Violating State Itinerant Act	3
Violating Chapter 378, Statutes 1915	2
Violating Sections 21, 26, 28, Act of Legislature	89
Wearing Unlawful Apparel	9
Wages, Non-payment of	30
Weights and Measures Ordinance, Violating	14
Grand Total Arrests Fiscal Year Ending June 30, 1916	51,430

EXHIBIT "M"

STATEMENT OF THE POLICE CONTINGENT FUND FOR THE FISCAL YEAR ENDING JUNE 30, 1916.

July 1, 1915, balance cash on hand	$ 467.20	
Received from Treasurer during the year	8,000.00	
Advances refunded to the Contingent Fund	598.41	
		$9,065.61
Disbursements as per vouchers on file	$8,915.70	
Balance cash on hand, July 1, 1916	149.91	
		$9,065.61

Statement of the amount of money received and paid into the Treasury, for the services of police officers, detailed at various places of amusements, etc., under Section XII, of Chapter X, of the Charter, during the fiscal year ending June 30, 1916, as per Treasurer's receipt on file:

1915—July		$ 47.50
	August	82.50
	September	120.00
	October	132.50
	November	157.50
	December	150.00
1916—January		150.00
	February	130.00
	March	30.00
	April	90.00
	May	82.50
	June	35.00
		$1,207.50

Statement of the amounts deducted by the Honorable Board of Police Commissioners, from awards allowed police officers for rewards during the fiscal year ending June 30, 1916.

July 1, 1915, to June 30, 1916 ..... $220.00

EXHIBIT "N"

The following is a statement of the amount realized on the sale of unclaimed property in the hands of the Property Clerk, since the last annual report as provided under Section III, Chapter VIII, Article VIII, of the Charter.

RECEIPTS.

Cash taken from packages	$ 503.88	
Result of auction sale	842.85	
		$1,346.73

DISBURSEMENTS.

Auctioneer's commission 7½%	$ 63.20	
Advertising sale in papers	25.00	
		88.20
Net proceeds paid to Treasurer		$1,258.53

EXHIBIT "O"

Report of the Board of Police Relief and Pension Fund Commissioners

To the Honorable James Rolph, Jr.,
Mayor of the City and County of San Francisco.

Sir:—In compliance with Section IX, Article XVI, of the Charter of the City and County of San Francisco, the Board of Police Relief and Pension Fund Commissioners, herewith present and submit their report for the fiscal year ending June 30, 1916:

The Board of Police Relief and Pension Fund Commissioners as now constituted consist of the following:

Theodore J. Roche ..... President
Thomas E. Shumate ..... Commissioner
Jesse B. Cook ..... Commissioner
James Woods ..... Commissioner
K. F. Conway ..... Secretary

The following members of the Police Department of the City and County of San Francisco, were retired from active duty and pensioned by the Board of Police Relief and Pension Fund Commissioners, during the fiscal year 1915-16, under the provisions of Chapter X, of Article VIII of the Charter:

NAME	Section Under	Amount per Month	RANK	Date of Retirement
John G. Coughlin	1 and 3	$61.00	Patrolman	July 6, 1915
John J. Mullin	1 and 3	61.00	Patrolman	Oct. 4, 1915

The following pensioners were restored to active duty during the fiscal year ending June 30, 1916:

NAME	Section Under	Amount per Month	RANK	Date Restored
John Phelan	1 and 3	$61.00	Patrolman	July 6, 1915

The following pensioners died during the fiscal year ending June 30, 1916:

NAME	Section Under	Amount per Mo.	RANK	Date of Retirement	Date of Death
Patrick O'Donnel	1 and 3	$64.00	Corporal	Oct. 20, 1913	Sept. 4, 1915
Gregory Harrington	1 and 3	50.00	Patrolman	May 25, 1906	Sept. 13, 1915
John J. Conly	1 and 3	50.00	Patrolman	Jan. 5, 1900	Oct. 15, 1915
Ross J. Whittaker	1 and 3	74.00	Dect. Sergeant	Feb. 4, 1908	Jan. 16, 1916
John W. Shields	3	61.50	Sergeant	April 16, 1900	Feb. 6, 1916
Patrick Perry	1 and 3	50.00	Patrolman	Dec. 3, 1902	Feb. 6, 1916
Thomas F. Hobi	1 and 3	60.00	Patrolman	Jan. 3, 1910	Feb. 21, 1916
Abraham Sharp	1 and 2	61.50	Sergeant	Aug. 31, 1893	June 13, 1916
A. Houghtalling	3	61.50	Sergeant	Jan. 3, 1898	April 4, 1916
Charles P. Bush	1 and 2	70.00	Sergeant	April 6, 1914	May 9, 1916
George Farrell	1 and 3	60.00	Patrolman	April 1, 1912	April 22, 1916
Frank Smith	1 and 3	61.00	Patrolman	July 6, 1914	May 2, 1916

The following persons not members of the Department were granted relief during the fiscal year 1915-1916:

John F. Robl, Margaret E. Robl, James A. Robl, Katherine A. Robl, children of Police Officer Frank W. Robl, under Section VI, Article VIII, Chapter X of the Charter. Amount, $502.00.

Edith M. Reavis, widow of Sergeant James J. Reavis, under Section VI, Article VIII, Chapter X of the Charter. Amount, $446.00.

Catherine Thomson, widow of Police Officer Andrew B. Thomson, under Section VI, Article VIII, Chapter X of the Charter. Amount, $526.00.

Catherine Smith, widow of Police Officer Henry Smith, under Section VI, Article VIII, Chapter X of the Charter. Amount, $406.00.

Nellie Dinan, widow of Lieutenant William E. Dinan, under Section VI, Article VIII, Chapter X of the Charter. Amount, $586.00.

NUMBER OF PERSONS DRAWING PENSIONS DURING FISCAL YEAR ENDING JUNE 30, 1916.

Number of officers drawing pensions July 1, 1915	112	
Other persons drawing pensions (widows)	31	
Total drawing pensions July 1, 1915		143
Number of officers retired during fiscal year ending June 30, 1916	2	
Widows granted pensions during fiscal year ending June 30, 1916	4	
		6
Died during fiscal year ending June 30, 1916	12	
Restored to active duty during fiscal year ending June 30, 1916	1	
		13

FINANCIAL STATEMENT FOR FISCAL YEAR ENDING JUNE 30, 1916.

By amount paid in pensions during fiscal year 1915-16	$101,637.70
By amounts paid for other purposes	3,748.70
Dr. S. W. Means, examination of applicants for pension	50.00
Dr. T. H. O'Connor, examination of applicants for pension	50.00
K. F. Conway, salary as Secretary	600.00
Total amount audited and paid	$106.086.40

Report of Department of Electricity

October 2, 1916.

Hon James Rolph, Jr., Mayor.

Dear Sir:—In accordance with the provisions of Section 9, Article XVI of the Charter of the City and County of San Francisco, I submit herewith Report of the Department of Electricity for the year 1915-1916.

Respectfully submitted,

JAMES M. BARRY,
Chief, Department of Electricity.

REPORT OF DEPARTMENT OF ELECTRICITY FOR THE FISCAL YEAR 1915-1916, SAN FRANCISCO, CALIFORNIA.

The Department of Electricity is charged with the following:

The electrical inspection of old and new buildings and the supervision of overhead electrical construction.

The collection of fees for electrical inspection.

The operation, maintenance and extension of the fire alarm and police signal system of the city.

The manufacture of such equipment as is necessary to properly maintain and extend the fire alarm and police signal systems.

FINANCIAL STATEMENT.

Appropriation.		Expenditure.	Surplus.
$75,246.00	Salaries	$75,067.45	$178.55
6,000.00	Maintenance	5,977.31	22.69
36,000.00	General Extensions—Salaries	$18,575.27	
	Material	17,344.18 35,919.45	80.55

INTERIOR INSPECTION.

Applications on file June 30, 1915	3,331
Applications received	11,745
	15,076
Installations approved	10,320
Applications on file June 30, 1916	4,756
Inspections made during year	28,541
Installations found defective	5,959
Installations discontinued from service	42
Non-recorded installations detected	2,147

DOCUMENTS ISSUED.

Contractors' licenses	243
Complaints on defective wiring	5,959
Certificates of approval	10,320
Electric sign permits	640
Housemovers' permits	23
Receipts for fees	2,662

MONEYS RECEIVED.

Fees for wire inspection, Ordinance No. 2582	$11,429.99
Fees for electric sign permits, Ordinance 1009	322.15
Fees for fire tapper service, Ordinance 698	565.65
Total	$12,317.79
Housemovers' deposits, Ordinance No. 1026	575.00
Housemovers' refundment,	414.70

INSPECTION OF OVERHEAD CONSTRUCTION.

Violations of Chapter No. 499, State Penal Code	105
Violations of Ordinance No. 214	5
Violations of Ordinance No. 1736	5
Violations of Ordinance No. 2582	19
Violations of General Order No. 26, Railroad Commission	18
Deaths by electrocution investigated	1
Fires investigated	21
Complaints on construction detrimental to public welfare and safety	325
Miscellaneous	171
Re-inspection	378
Number of permits of approval issued for overhead construction on poles	158

OPERATION OF FIRE ALARM SYSTEM.

In the following tables are recorded the alarms and signals handled by the fire alarm office during year 1915-1916:

Summary of Alarms of Fire Transmitted during the Fiscal Year:

First Alarms	1,581
Second Alarms	57
Third Alarms	14
Fourth Alarms	1
Still Alarms	1,892
Total number of Alarms	3,545

Summary of Alarms for each Month during the Fiscal Year:

1915.		1916.	
Month.	No. of Alarms.	Month.	No. of Alarms.
July	468	January	193
August	367	February	151
September	290	March	189
October	283	April	308
November	211	May	432
December	238	June	415

Joker Signals Transmitted during the Fiscal Year:

Engine	7,143
Truck	1,811
Chemical	2,628
Chief	2,821
Water Tower	246
Battery	378
Fire Boat	221
Fire Patrol	1,263
Special	169
Drill	408
Repair	257
Tapper	130
New Box	11
Pay Day	12
Test	1,095
Total number of Joker Signals	18,593
Total number of Fire Alarm Boxes in service July 1, 1916	685

CENTRAL FIRE ALARM STATION.

The Central Fire Alarm Station in Jefferson Square continues to give perfect service.

There are now forty-seven working signal circuits, ten working tapper circuits and ten working alarm circuits. Present equipment will take care of forty-eight signal circuits, twelve tapper circuits and twelve alarm circuits. The station has an ultimate capacity of eighty signal circuits, sixteen tapper circuits, sixteen alarm circuits and sixteen joker circuits.

MACHINE SHOP.

During the year, the Department practically completed the manufacture of 125 fire alarm boxes. One hundred police signal boxes are in course of construction.

Important improvements were made in the fire box and police box design so that these will now fully comply with the proposed "Safety Code" of the Industrial Accident Commission.

A new police standard was adopted which matches up in general appearance with the latest type of fire box standard.

One hundred twenty-five new Department of Electricity flush doors for fire alarm boxes were manufactured to replace the "bell" and "pump-handle" doors now in service. Miscellaneous apparatus was manufactured.

Routine repairs and maintenance on fire alarm and police signal equipment, tools, wagons and automobiles were carefully kept up.

The program for the fiscal year 1916-1917 contemplates the manufacture of at least 125 additional fire alarm boxes.

OUTSIDE CONSTRUCTION AND MAINTENANCE.

Each fire alarm box in the system was inspected and turned in for test monthly, making a total of 8,114 tests for the year. Repairs were made on 60 boxes, and, on account of circuit changes and repairs to box wires, 137 boxes were out of service temporarily. There were 435 pieces of line trouble removed and 2,530 miscellaneous complaints attended to. One hundred twenty-one outside local bells were installed, 87 transferred and 64 removed.

During the fiscal year, 13 new fire alarm boxes were placed in service. Twelve new signal lines were constructed and placed in service, bringing the total number of signal circuits up to 47 on July 1st, 1916.

Department wires were removed from the poles of public service corporations and placed underground in the following locations: Eddy from Powell to Taylor; Taylor from Eddy to Turk; Turk from Taylor to Franklin; Bush from Larkin to Mason; Mason, Jones and Larkin from Bush to Pine; Leavenworth from Bush to Clay; Mission from Twelfth to Sixteenth; Embarcadero from Mission to Folsom.

Circuits were installed and connected and boards were placed in service in the new quarters of Engine Companies Nos. 3 and 5.

New boards were installed and wiring was overhauled in quarters of Engine Companies Nos. 14, 15, 23, 30, 32, and 36. House equipment was repaired in quarters of Engines Companies Nos. 1 and 29 and Truck Company No. 10.

A new and complete police station equipment was installed in the Mission District. Circuits were re-run and increased to four. All boxes were cut over to multiple system to improve the service. Twelve additional police boxes were installed in the North End District and four in the Park District.

An auxiliary fire alarm box, connecting with street box No. 235, Potrero and Twenty-second street, was installed in the San Francisco Hospital to enable the attendants to turn in an alarm of fire without leaving the building.

Besides numerous small replacements, department leads were overhauled and rebuilt in the following locations: Geary from Fifth to Thirteenth avenues; Railroad from Oakdale to Lane; Twenty-fourth from Potrero avenue to Castro; California from Cherry to Thirty-second avenue; Irving from Nineteenth to Forty-eighth avenues; Forty-eighth avenue from Sloat Boulevard to Geary; Geary from Forty-eighth to Thirty-third avenues; Thirty-fifth avenue from Geary to Fulton; Church from Twenty-fourth to Twenty-ninth; San Bruno avenue from Oakdale to Silver avenue. Many of these leads were on poles taken down by public service corporations to dispense with duplicate pole lines.

The number of boxes per circuit has been materially reduced during the year. The maximum number of boxes on a single circuit has been reduced from 42 to 23 and it will be further reduced as new circuits are built.

UNDERGROUND CONSTRUCTION.

In the underground districts there were installed during the fiscal year 1915-1916 twenty-two new fire alarm box standards.

Underground ducts were rodded and about 43,970 feet of cable were pulled in and spliced in the following streets: Octavia from the Fire Alarm Office to Market; Market from Octavia ot Guerrero; Waller from Octavia to Engine House No. 19; Octavia from the Fire Alarm Office to Bush; Bush from Octavia to Gough; Jones from Bush to Broadway; Broadway from Jones to Taylor; Taylor from Broadway to Market; Mason from Turk to Eddy; Mason from California to Broadway; Broadway from Stockton to Powell; Powell from Broadway to Engine House No. 5; Turk from Taylor to Mason; Powell from Market to Jackson; Stockton from Bush to Sacramento; Grant avenue from Market to Sacramento; Montgomery from Market to California; Jackson from Stockton to Mason; Jackson from Battery to Front; Front from Jackson to Pacific; Pacific from Front to Drumm; Davis from Broadway to Vallejo; Vallejo from Davis to Front; Drumm from Pacific to Washington; Mission from Beale to Main; Mission from Spear to Embarcadero; Market from Drumm to Embarcadero; Embarcadero from Mission to Harrison; Spear from Market to Harrison; Folsom from Embarcadero to Main; Main from Folsom to Engine House No. 9; Beale from Market to Folsom; Howard from Beale to First; First from Market to Harrison; Forest Hill Tract.

A submarine cable was installed across Islais Creek to take care of fire alarm circuits for the southern portion of the City.

New cable was pulled in and terminals were installed at the following Fire Department houses: Quarters of Engine Companies Nos. 3, 5, 14 and 19 and Truck Company No. 10; State Fire Boat; Chief Wharfinger's office; Fire Boat No. 1; City Hall and Bush-street Police Station.

New fire alarm box laterals were installed at fifteen locations preparatory to installing new underground fire standards.

About 2,000 feet of scrap cable, most of which was installed before the fire of 1906, were pulled out.

Report of Sheriff

San Francisco, Cal., August 3rd, 1916.

Hon. James Rolph, Jr.,
Mayor of the City and County of San Francisco.

Dear Sir:—In compliance with Article XVI, Section 9 of the Charter of the City and County of San Francisco, I have the honor to submit the Report of the Sheriff of the City and County of San Francisco for the fiscal year ending June 30th, 1916. The report includes in detail the amounts paid in to the Treasury by the Office as fees, as well as a tabulation of the different kinds of writs received, and the number thereof. Statistical information, as to the number, occupation, sentences, etc., of the prisoners committed to the Jails during the fiscal year is also shown in detail.

The report covers the first half of my incumbency as well as the six months prior to the same, which the previous administration was in charge.

Respectfully submitted,

THOMAS F. FINN,
Sheriff of the City and County of San Francisco.

FINANCIAL STATEMENT FOR FISCAL YEAR, JULY 1, 1915 TO JUNE 30, 1916.

Amounts paid into the City and County Treasury for the fiscal year ending June 30, 1916.

July, 1915	$ 3,051.11
August, 1915	2,686.55
September, 1915	3,077.62
October, 1915	3,104.04
November, 1915	2,785.32
December, 1915	3,537.26
January, 1916	2,941.07
February, 1916	2,500.17
March, 1916	2,975.63
April, 1916	2,183.55
May, 1916	2,649.53
June, 1916	2,341.26
Total	$33,833.11

Amount paid into Treasury for Maintenance of U. S. Prisoners.

September 30, 1915	$ 296.00
December 31, 1915	897.20
May 16, 1916	1,163.20
June 30, 1916	1,212.80
	$3,569.20

JULY 1, 1915, TO JUNE 30, 1916.

Writs of Attachment, Superior and Justices' Court	7,382
Writs of Execution, Superior and Justices' Court	2,734
Summons, Superior and Justices' Court	1,729
Miscellaneous, Superior and Justices' Court	1,730
Total	13,575

JULY 1, 1915, TO JUNE 30, 1916.

Sales of Personal and Real Property, Justices' Court	220
Sales of Personal and Real Property, Superior Court	110
Total	330

FINANCIAL STATEMENT FOR THE FISCAL YEAR ENDING JUNE 30, 1916.

SUBSISTENCE.

1915.		1916.	
July	$ 4,986.48	January	$ 4,621.89
August	3,855.44	February	4,492.63
September	3,134.80	March	4,630.21
October	3,198.96	April	3,360.78
November	3,796.36	May	4,429.55
December	4,714.07	June	4,099.77
			$49,320.97

SHERIFF'S EXPENSE.

1915.		1916.	
July	$ 180.80	January	$ 217.50
August	242.05	February	114.60
September	177.99	March	219.85
October	418.01	April	240.75
November	327.95	May	100.25
December		June	172.35
			$2,302.90

Subsistence Allowed	$44,400.00
Housing of U. S. Prisoners:	
(1st) Quarter Ending Sept. 30	296.00
(2nd) Quarter Ending Dec. 31	897.20
(3rd) Quarter Ending March 31	1,163.20
(4th) Quarter Ending June 30	1,212.80
Special Appropriation allowed	1,500.00
Total Subsistence Allowed	$49,469.20
Total Subsistence Expended	49,320.97
Surplus	$ 148.23
Sheriff's Expense Allowed	$ 2,500.00
Sheriff's Expense Expended	2,302.90
Surplus	$ 197.10
Subsistence Surplus	$ 148.23
Sheriff's Expense	197.10
Total Surplus	$ 345.33

REPORT OF THE SHERIFF OF SAN FRANCISCO COUNTY FOR THE FISCAL YEAR ENDING JUNE 30th, 1916.

Movement of Jail Population	Men	Women	Total
Number in Jail July 1, 1915	340	15	355
Number Received During the Year 1915-1916	2,942	218	3,160
Total Prisoners for the Year	3,282	233	3,515
Sent to State Prison	194	2	196
Sent to Reform Schools	15		15
Served Sentence in Jail	1,868	161	2,029
Released on Bail, Habeas Corpus	102	3	105
Released by Parole	221	13	*234
Released on Probation	205	12	217
Acquitted on Trial	68	7	75
Escaped 11; Recaptured 9	4	7	**11
Died	5	1	6
Insane, Sent to State Hospitals	16	3	19
Otherwise Removed from Jail	207	4	211
Total Passed Out	2,915	206	3,121

* Released by parole this administration 45; previous administration 189.

** Escapes, male 4, recaptured 2; female 7, recaptured 7—This administration. Former administration, no record of escapes.

RECAPITULATION.

Number in Jail July 1, 1915	340	15	355
Received During Year	2,942	218	3,160
Totals	3,282	233	3,515
Passed Out During Year	2,915	206	3,121
Number in Jail June 30, 1916	367	27	394

STATUS OF INMATES AT MIDNIGHT JUNE 30th, 1916.

	Men	Women
Awaiting Trial	93	1
Sentenced to Prison	3	1
Serving Jail Sentence	271	25
Total	367	27

AVERAGE DAILY NUMBER OF PRISONERS IN ALL JAILS FOR THE FISCAL YEAR ENDING JUNE 30, 1916.

July, 1915	332.516
August, 1915	299.032
September, 1915	180.133
October, 1915	284.032
November, 1915	292.032
December, 1915	324.516
January, 1916	362.354
February, 1916	476.517
March, 1916	528.645
April, 1916	491.566
May, 1916	499.032
June, 1916	407.100
	4,577.475
Monthly Average	381.456

FELONY PRISONERS AND THEIR CHARGES CONFINED AT THE COUNTY JAIL NO. 1 AT MIDNIGHT ON JUNE 30th, 1916.

Assault with intent to commit burder	3
Assault with intent to commit rape	1
Assault with intent to commit robbery	1
Assault with deadly weapon	2
Burglary	17
Forgery	8
Embezzlement	2
Grand Larceny	28
Infamous crime against nature	1
Murder	7
Making and passing fictitious instruments	2
Miscellaneous Sections of Penal Code	15
Omitting to provide for minor child	7
Ordered into custody	1
Rape	1
Violation Juvenile Court Law	1
Violation Act to Regulate Sale of Poisons	1
Total	98

MISDEMEANOR PRISONERS AND THEIR CHARGES CONFINED AT THE COUNTY JAILS NOS. 2 AND 3 AT MIDNIGHT JUNE 1916.

Assault (Simple)	7
Assault with deadly weapon	3
Attempt to commit burglary	2
Attempt to commit burglary, second degree	2
Attempt to commit robbery	1
Battery	6
Begging	10
Burglary	2
Carrying concealed weapons	4
Committing lewd and indecent act	2
Conspiracy	2
Drunk in public place	25
Disturbing the peace	4
Grand Larceny	2
Embezzlement	1
Indecent exposure	5
Malicious mischief	2
Making and passing fictitious instrument	1
Miscellaneous Sections of Penal Code	8
Petit larceny	49
Perjury	3
Vagrancy	88
Violation Statutes of Board of Supervisors	8
Violation Motor Vehicle Act	1
Violation of State Poison Laws	57
Robbery	1
Total	296
Prisoners on June 30, 1916, Jail No. 1	98
Prisoners on June 30, 1916, Jails No. 2 and No. 3	296
Total all Jails	394

NUMBER OF FELONY PRISONERS TRANSFERRED TO VARIOUS COURTS AND THEIR DAILY AVERAGE DURING THE FISCAL YEAR ENDING JJUNE 30, 1916.

Month	Days	Prisoners	Daily Average
July, 1915	26	416	16.000
August, 1915	26	413	15.884
September, 1915	23	266	11.565
October, 1915	24	311	12.958
November, 1915	23	266	11.565
December, 1915	26	406	15.615
January, 1916	25	471	18.840
February, 1916	23	458	19.913
March, 1916	27	479	17.740
April, 1916	25	463	18.520
May, 1916	25	422	16.880
June, 1916	26	352	13.538
Totals	299	4,723	15.795

Average number of Prisoners transferred to various courts during the Fiscal Year ending June 30, 1916, 15,795.

FELONY PRISONERS COMMITTED DURING THE FISCAL YEAR ENDING JUNE 30, 1916, AND THEIR OFFENSES.

Arson	1
Assault with a deadly weapon	17
Assault with intent to commit murder	21
Attempt to commit burglary	9
Attempt to commit grand larceny	11
Attempt to commit robbery	3
Assault with intent to commit robbery	18
Assault to commit rape	2
Assault with intent to do bodily harm	1
Abandonment and neglect of wife	3
Bigamy	1
Burglary	147
Conspiracy	1
Contributing to delinquency of minor	1
Embezzlement	18
Forgery	38
Held as witness	6
Grand larceny	105
Held in route	5
Infamous crime against nature	6
Murder	27
Making and passing fictitious instrument	15
Manslaughter	4
Mayhem	2
Ordered into custody	50
Obtaining money under false pretenses	6
Obtaining property by false pretenses	2
Pimping	4
Perjury	10
Practicing medicine without a license	4
Robbery	71
Receiving stolen property	5
Omitting to provide for minor child	54
Rape	20
Seduction under promise of marriage	1
Violation of Juvenile Court Law	2
Violation of Motor Vehicle Act	6
Violation of Act to Regulate Sale of Poisons	5
Violation of Statutes 45-1915	1
Violation miscellaneous Sec. Penal Code	64
Total	767
Prisoners, July 1st 1915	142
Recapitulation	809

FELONY PRISONERS DISCHARGED DURING THE FISCAL YEAR ENDING JUNE 30th, 1916.

Delivered to U. S. authorities	2
Discharged by bail, bonds, habeas corpus	99
Discharged by order of Court	66
Acquitted	75
Discharged on motion of District Attorney	1
San Quentin	133
Folsom	63
Preston	15
Escaped 5. Recaptured 3	2
Transferred to insane asylums	15
Turned over to sheriff of other counties	4
Released on O. R.	39
Released on probation	217
Fined and released	0
Transferred to Jail No. 2	68
Turned over to Juvenile Detention Home	1
Turned over to Juvenile Court	4
Total	806
Prisoners June 30, 1916	98
	904

AMOUNT OF MONEYS COLLECTED AT THE COUNTY JAIL IN FINES DURING THE FISCAL YEAR ENDING JUNE 30th. 1916

June 30, 1915		$ 18.00
July 15, 1915	$86.00	
July 22, 1915	2.00	88.00
October 22, 1915		10.00
November 3, 1915	$ 2.00	
November 4, 1915	2.00	
November 15, 1915	90.00	94.00
January 5, 1916	23.00	
January 22, 1916	45.00	68.00
March 14, 1916		154.00
April 6, 1916		4.00
June 22, 1916	$38.00	
June 29, 1916	6.00	44.00
May 20, 1916		4.00
Total fines collected for the year		$484.00

Remarks: No fines were collected for July, 1915; August, 1915; September, 1915; December, 1915; February, 1916.

PRISONERS RELEASED ON PAROLE DURING THE FISCAL YEAR ENDING JUNE 30th, 1916.

Date	Granted	Denied	Continued
July, 1915	18	....	....
August, 1915	14	....	....
September, 1915	12	....	....
October, 1915	17	....	....
November, 1915	58	4	9
December, 1915	57	1	3
January, 1916	16	....	....
February, 1916	5	....	....
March, 1916	7	....	....
April, 1916	15	....	....
May, 1916	7	....	....
June, 1916	8	....	....
Totals	234	5	12

MISDEMEANOR PRISONERS DISCHARGED DURING FISCAL YEAR ENDING JUNE 30th, 1916.

Discharged by term expired	738
Discharged by credits	1,291
Paroled	234
Discharged on payment of fine	13
Discharged by bail, bonds, habeas corpus	6
Discharged by order of Court	4
Died	6
Escaped 16. Recaptured 4	12
Transferred to insane asylum	4
Delivered to U. S. authorities	1
Released on appeal	2
Transferred to Ione	1
Total	2,315
Prisoners on hand June 30, 1916	296
Recapitulation	2,611

MISDEMEANOR PRISONERS COMMITTED DURING THE FISCAL YEAR ENDING JUNE 30th, 1916, AND THEIR OCCUPATIONS.

Actors	3	Housewives	48
Actresses	2	Inspectors	1
Agents	2	Ironworkers	31
Attorneys	1	Janitors	9
Auditors	1	Junk Dealers	1
Bakers	11	Lathers	1
Barbers	35	Laundryworkers	23
Bartenders	14	Laborers	565
Bedmakers	1	Longshoremen	13
Bellboys	6	Lumbermen	4
Blacksmiths	13	Machinists	40
Boilermakers	14	Manufacturers	1
Bookkeepers	8	Masons	3
Bootblacks	6	Merchants	5
Boxmakers	2	Messengers	5
Bricklayers	5	Miners	37
Broommakers	1	Moulders	4
Butchers	7	Motormen	2
Cabdriver	1	Musicians	9
Cabinetmakers	3	Miscellaneous Mechanics	19
Candymakers	1	Newsboys	6
Carpenters	39	Newspapermen	1
Carriagemakers	1	Nurses	4
Chauffeurs	15	Operators	4
Chemists	1	Packers	1
Cigarmakers	13	Painters	57
Clerks	55	Paperhangers	2
Cooks	140	Peddlers	27
Coppersmiths	1	Pipefitters	4
Coopers	4	Photographers	2
Dishwashers	14	Plasterers	9
Doctors	1	Plumbers	18
Domestics	69	Press Agents	1
Draughtsman	1	Pressmen	5
Dressmakers	7	Printers	20
Druggists	1	Prizefighters	1
Electricians	23	Porters	15
Engineers	8	Railwaymen	8
Factoryworkers	1	Ranchers	1
Farmers	11	Real Estate	2
Firemen	46	Sailors	94
Fishermen	9	Salesladies	8
Florists	3	Salesmen	16
Fortune Tellers	1	Saloonkeepers	1
Gardeners	17	Seamstresses	3
Gasfitters	2	Shipcaulkers	1
Glovemakers	1	Shoemakers	22
Grocers	2	Soliders	10
Harnessmakers	2	Stenographers	8
Hatters	4	Steamfitters	10
Hodcarriers	1	Stablemen	8
Horsemen	6	Stevedores	13
Hostlers	4	Stewards	4

Stonecutters	4	Undertakers	1
Solicitors	3	Upholsterers	2
Tailors	34	Watchmen	2
Tailoresses	1	Waiters	150
Tanners	1	Waitresses	7
Teamsters	133	Winemakers	1
Telephone Operators	3	Woodworkers	2
Tile Inspectors	1	No record	185
Tinsmiths	9	Total occupations	2,393

Remarks.—The 185 shown as No Record served their sentences at the City Prison and no data was secured of them.

MISDEMEANOR PRISONERS COMMITTED DURING THE FISCAL YEAR ENDING JUNE 30th, 1916, AND THEIR OFFENSES.

Assault (simple)	11
Assault with deadly weapon	6
Attempt to commit pettit larceny	3
Attempt to commit grand larceny	1
Attempt to commit robbery	2
Attempt to Commit burglary	17
Attempt at making and passing fictitious instrument	3
Burglary 1, burglary second degree 5	6
Battery	62
Begging	349
Contempt of Court	4
Carrying concealed weapons	28
Conspiracy	2
Disturbing the peace	64
Drunk in public place	229
Defrauding the inkeeper	1
Dofrauding an auto driver	2
Embezzlement	6
Exhibiting a deadly weapon	1
Grand larceny	2
Indecent exposure	23
Malicious mischief	35
Lewd and indecent act	6
Masquerading in U. S. uniform	1
Lottery tickets in possession	1
Obtaining money by false pretenses	4
Obtaining goods by false pretenses	1
Petit larceny	286
Perjury	3
Resisting an officer	2
Robbery	1
Soliciting prostitution	3
Vagrancy	981
Violation State Poison Law	190
Violation Motor Vehicle Act	4
Violation Penal Code	13
Violation Juvenile Court Law	1
Violation Ordinances Board of Supervisors	38
Violation Criminal Code and Bankruptcy Act	1
Total	2,393
Prisoners July 1st, 1915	213
Recapitulation	2,606

BIRTHPLACES OF MISDEMEANOR PRISONERS COMMITTED DURING THE FISCAL YEAR ENDING JUNE 30th, 1916.

Alabama	8	Australia	10
Arkansas	2	Austria	21
Arizona	9	Bulgaria	1
California	602	Canada	19
Colorado	15	Central America	3
Connecticut	11	China	39
District of Columbia	1	Ceylon	1
Florida	4	Cuba	1
Georgia	4	Denmark	8
Idaho	3	East India	1
Illinois	85	England	59
Iowa	18	France	10
Indiana	21	Finland	17
Kansas	9	Germany	50
Kentucky	24	Guiana	1
Louisiana	21	Greece	15
Maine	3	Egypt	1
Maryland	9	Holland	1
Massachusetts	66	Hawaii	4
Michigan	39	Hungary	1
Minnesota	27	Ireland	166
Mississippi	10	Italy	31
Missouri	38	India	1
Montana	7	Jamaica	2
Nebraska	10	Japan	3
Nevada	12	Mexico	106
New Hampshire	3	Norway	37
New Jersey	14	New Brunswick	1
New York	125	New Zealand	7
North Carolina	5	Porto Rico	11
North Dakota	1	Portugal	4
Ohio	50	Panama	1
Oklahoma	5	Poland	1
Oregon	16	Philippines	13
Pennsylvania	71	Russia	26
Rhode Island	5	Scotland	34
South Dakota	2	Servia	2
Tennessee	13	Sweden	25
Texas	24	Switzerland	8
Utah	8	South America	16
Virginia	10	Spain	4
Washington	21	Turkey	2
West Virginia	8	West Indies	1
Wisconsin	18	Wales	1
	1,457		766

RECAPITULATION.

Total U. S.	1,457
Total Foreign	766
No Record	170
Grand Total	2,393

Remarks.—The 170 shown as No Record served their sentences as the City Prison and no data was secured for them.

TERM OF SENTENCE OF MISDEMEANOR PRISONERS COMMITTED DURING THE FISCAL YEAR ENDING JUNE 30th, 1916.

2 Years	3	6 Days	1
18 Months	5	5 Days	39
1 Year	23	3 Days	1
11 Months	1	$500.00 or 180 Days	1
10 Months	3	$400.00 and 6 Months	4
8 Months	2	$400.00 or 180 Days	4
6 Months	267	$400.00 or 100 Days	1
5 Months	4	$250.00 or 125 Days	1
4 Months	9	$250.00 or 100 Days	2
3 Months	117	$200.00 or 100 Days	8
2 Months	2	$150.00 or 65 Days	1
180 Days	12	$100.00 or 100 Days	4
100 Days	1	$100.00 or 50 Days	74
90 Days	153	$ 50.00 or 50 Days	1
60 Days	219	$ 50.00 or 25 Days	1
50 Days	4	$ 50.00 or 10 Days	1
35 Days	1	$ 25.00 or 25 Days	1
30 Days	871	$ 25.00 or 10 Days	1
20 Days	7	$ 20.00 or 20 Days	3
15 Days	6	$ 5.00 or 5 Days	6
10 Days	525	Indefinite	2
7 Days	1	Total	2,393

Total number of Misdemeanor Prisoners committed during the Fiscal Year ending June 30th, 1916, 2,393.

MEDICAL REPORT BY DRS. BRACKETT AND ROSENCRANTZ FOR THE FISCAL YEAR ENDING JUNE 30, 1916.

Date	Jail No 1 Medical	Jail No 1 Surgical	Jails No. 2 and 3 Medical	Jails No. 2 and 3 Surgical
July, 1915	....	....	488	294
August, 1915	60	....	222	124
September, 1915	67	....	119	111
October, 1915	83	....	75	41
November, 1915	87	....	165	38
December, 1915	150	....	212	36
January, 1916	140	....	84	21
February, 1916	118	....	56	16
March, 1916	135	....	612	79
April, 1916	110	....	722	100
May, 1916	115	....	355	101
June, 1916	105	....	168	99
Total	1,170	....	3,278	1,060

Total treated in all Jails, 5,508.

PRISONERS RELEASED ON PAROLE DURING FISCAL YEAR ENDING June 30th, 1916.

Number of Applications made from January 8th, 1916, to June 30th, 1916	570
Number of Applications granted	45
Number of Applications denied	525

(Above figures apply to present administration.)

Previous administration, number of paroles granted 189

Coroner's Report

San Francisco, August, 30, 1916.

Honorable James Rolph, Jr.,
Mayor, City and County of San Francisco.

Dear Sir:—In compliance with Section 9, Article XVI of the Charter of the City and County of San Francisco, I herewith submit my annual report as Coroner for the fiscal year 1915-1916.

Respectfully submitted,

THOS. B. W. LELAND,
Coroner.

Number of Inquests	740
Natural Cause	692
Total	1,432

CASES BY MONTH.

	Inquest	Natural
July, 1915	69	45
August, 1915	41	46
September, 1915	66	59
October, 1915	54	53
November, 1915	68	74
December, 1915	66	55
January, 1916	67	81
February, 1916	64	43
March, 1916	61	74
April, 1916	65	62
May, 1916	59	52
June, 1916	60	48
	740	692

Accidents (of which 64 are industrial accidents)	342
Unknown	45
Unable to determine	6
Murder	65
Justifiable homicide	12
Manslaughter	3
Abortion	13
Natural cause	6
Suicide	248
	740
Number of jurors serving on Coroner's juries	1,120
Number of cases investigated by Coroner's office not brought into office but countersigned	440

SUICIDE.

Male	205
Female	43
	248

STATION.

Married	87	Widower	11
Single	73	Unknown	68
Widow	5	Divorced	4
			248

MODE.

Gas	58	Strychnine	3
Gunshot	95	Carbolic acid	6
Drowning	13	Jumped from height	12
Cyanide	14	Knife	3
Hanging	14	Shotgun	1
Lysol	5	Arsenic	1
Bichloride	8	Ether	1
Razor	13	Chloroform	1
			248

MOTIVE.

Lack of employment	16	Unknown	45
Financial difficulties	25	After attempt at murder	7
Derangement (temporary)	21	Loss of position	1
Domestic trouble	18	Drink	13
Business reverses	6	Fear of insanity	2
Ill health	50	Resisting arrest	1
Love affair	6	Jealousy	6
Delirium tremens	1	Grief	4
Melancholia	15	Despondency	4
Insane	6	Neurasthenia	1
			248

OCCUPATION.

Actress	1	Manager	1
Bartender	3	Machinist	4
Baker	4	Medium	1
Bedmaker	1	Musician	1
Butcher	2	Miner	2
Barber	2	Messenger boy	1
Bookkeeper	2	Merchant	4
Cook	4	Marine fireman	1
Cashier	1	Marine engineer	1
Candymaker	2	Nursemaid	1
Cigar dealer	2	Newspaperman	1
Cabinet maker	1	Peddler	2
Construction hand	1	Painter	5
Chauffeur	1	Physician	1
Conductor	2	Porter	3
Clerk	9	Restauranteur	1
Carpenter	7	Rancher	3
Cement worker	2	Retired	8
Dentist	2	Real estate	1
Domestic	2	Servant	1
Dairyman	1	Stevedore	3
Editor	1	Steward	1
Elevator operator	1	Soldier	4
Electrician	3	Solicitor	4
Fireman	1	Salesman	6
Fisherman	3	Sailor	4
Farmer	2	Seaman	1
Factory agent	1	School girl	1
Gas worker	1	Saloonkeeper	1
Gardener	1	Special officer	1
Housewife	26	Teamster	7
Hotel keeper	2	Teacher	2
Horseshoer	1	Tailoress	1
Iron worker	1	Tailor	2
Kitchen worker	1	Traveling man	2
Knitter	1	Unknown	43
Laborer	16	Waiter	2
Laundryman	1	Water tender	1
Lithographer	1	Window cleaner	1
Lecturer	1	Violin maker	1
			248

NATIVITY.

Austria	5	Japan	1
Australia	1	Italy	13
China	3	Mexico	3
Canada	2	Norway	3
Denmark	6	Portugal	2
England	10	Poland	1
Egypt	1	Russia	6
France	4	Sweden	7
Finland	2	Switzerland	4
Germany	27	Siam	1
Hungary	1	United States	78
Ireland	6	Unknown	61
			248

ACCIDENTS.

Jitneys—		
Struck by	11	
Fall from	1	
Collision bet. jitney and car	1	
		13
Auto Truck—		
Struck by	4	
Truck and car collided	2	
Between fire engine and truck	1	
		7
Buggy	1	1
Wagon	2	2
Horse drawn truck	1	1
Auto bus	1	1
Train—		
Crushed bet. freight car and platform	4	
Crushed by	4	
Struck	4	
		12
Motorcycles—		
Collision with auto	1	
Collision with car	1	
		2
Elevators—		
Crushed by	3	
Crushed by freight elevator	1	
Struck by counterweights	2	
Crushed by sidewalk elevator	1	
		7
Machinery—		
Caught in	1	
Breaking belt	1	
		2
Automobiles—		
Collision with motorcycles	4	
Struck by	25	
Walked into	1	
Collision with wagon	1	
Collision with electric car	4	
Overturning	2	
Fall from	2	
Skidding	1	
Running in front of	1	
Manslaughter	1	
		42
Kicked by—		
Horse	1	1
Electrocution—		
Contact with transformer	1	
Contact with high tension	1	
		2
Street Cars—		
Struck by	21	
Collided with auto	2	
Walked into	3	
Collision with wagon	5	
Backing up	1	
Slipped under	1	
Jumped track	1	
Cable car	1	
		35
United Railroads Co.	28	
Municipal	7	
	35	
Explosion—		
In locomotive	1	
Mine explosion	1	
		2

ACCIDENTS—Continued

Struck by—		
Sling load of lumber	1	
Sling load of sugar	1	
Sling load of niter	1	
Falling rock	1	
Rim of auto	1	
Castings	1	
Crane	1	
Baseball	1	
Bicycle	1	
Wave at sea	1	
Falling billboard	1	
Bucket of coal	1	
Folding bed	1	
Wagon wheel	1	
Falling Wall	1	
Pile driver	1	
		16
Fire Engine overturning	1	1
Gas	46	46
Drowning	10	10
Gunshot	5	5
Poisons—		
Opium	1	
Liniment	1	
Overdose of medicine	1	
Bichloride	1	
Morphine	1	
Cyanide	1	
Alcohol	1	
Muriatic acid	1	
		9
Manner Unknown	3	3
Suffocation—		
Burning building	1	
In bed	1	
Head in hole	1	
Smoking in bed	1	
Cave in sewer trench	1	
		6
Unable to Determine—		
Gunshot	1	
From scratch	1	
Infection of arm	1	
Strain	1	
Body too badly decomposed	2	
		6
Falls—		
From barge	1	
From truck	1	
From plank	1	
From telegraph pole	1	
From scaffold	1	
From hand car	2	
From staging	1	
From pigeon house	1	
From chair	3	
From ladder	3	
From window	8	
From go-cart	1	
From loft	3	
From ship's ladder	1	
From elevator shaft	1	
From wagon	1	
From pile driver	1	
From building	3	
From platform	1	
From gang plank	1	
From fire escape	1	
From deck of steamer	1	
Overboard	3	
Down bunkers	1	
Down steps	12	
Over bulkhead	1	
On steamer	1	
Into machinery	1	
Into ship's hold	7	
Into basement	1	
Into pit	2	
Through lightwell	2	
Out of bed	1	
Off roof	5	
Off floor	3	
Off porch	5	
Over banister	2	
While skating	1	
On sidewalk	11	
		97
Burns—		
From oil	1	
From kerosene	1	
Scalding (hot water)	3	
Gas stove	2	
Defective wiring	1	
Building	7	
Carbolic acid	1	
Gasoline lamp	3	
Grate fire	1	
Alcohol lamp	1	
Matches	1	
		22

ACCIDENTS—Continued

Unknown—		Fall across pump	1
Drowning	25	Gas	5
Injuries	4	Strychnine	1
In mine	2	Violence	1
Suspicion of robbery	1	Burns	1
Fall from roof	1		42

CRIMES.

Murder—		Justifiable homicide	12	12
Gunshot	53	Manslaughter	3	3
Stab wounds	5	Abortion—		
Knife	3	Self-induced	4	
Strangulation	1	Parties unknown	3	
Hatchet	1	Cause unknown	2	
Gas	1	Criminal	3	
Ether	1	Accidental	1	
	65			13

RECOMMENDATIONS.

In the case of Elizabeth O'Brien, Mary Condon, Stella Barouch, Mary Coleman and Florence Mathers, burned in fire at St. Francis Girls Directory.

The cause of the fire is unknown, but apparently originated in the kitchen.

We find that the attention of the Board of Public Works has repeatedly been called to the unsafe condition of the building and no finality of action has ever been taken. We find that direct responsibility for lack of action on these reports rests directly with the Board of Public Works, this fault being due to the lack of system. We, the jury, are unable to place the responsibility on any individual inspector, who, if the evidence was forthcoming in this case, we believe should be charged with the crime of manslaughter. We recommend that the Chief of the Fire Department make a thorough investigation of all buildings used as orphanages, hospitals and similar institutions, requiring them to immediately be placed in safe condition with regard to fire, and that if these conditions as required by the Fire Department are not complied with in a reasonable time that due publicity be given to the condition of these buildings through the official Municipal Record, and that a poster warning be placed in a conspicuous place on said building for the benefit of the public.

From the evidence produced we find that an interval of twenty-two minutes elapsed from the time the fire was discovered until the alarm was recorded in the Central Fire Station, notwithstanding a fire alarm box was within eighty feet of the front door.

We find that the Fire Department was on the ground and at work within five minutes after the alarm had been turned in; therefore, we recommend that an auxiliary fire alarm be placed in all institutions occupied by children and infirm persons. The jury protests against the rebuilding of the present structure unless it conforms to the present fire ordinances.

We further recommend that in all similar institutions where young, weak or helpless individuals are housed and where such institutions are conducted solely by females, that male night watchmen be employed such as are provided in any ordinary warehouses with all modern requirements which will insure a safe and periodical inspection of the premises.

We further recommend compulsory requirement of fire drills in all institutions, both public and private and that the enforcement of this requirement be placed in the hands of the Chief of the Fire Department.

We recommend that a Commission of Public Safety be appointed to secure action in all matters recommended by Fire Wardens or other public departments.

* * *

In the case of Baby Taylor, 5 weeks old, inquested December 10, 1915.

Death was accidental due to burns. We the jury recommend that the Board of Health of the City and County of San Francisco enact an ordinance requiring that when any apparatus is used in Hospitals or Institutions for vaporizing or other purposes and when a flame is used in connection therewith that someone be required to be in constant attendance while said apparatus is in operation.

* * *

In the case of George O'Neill, inquested December 29, 1915.

Death was accidental—asphyxiation—due to defective flue.

Death was accidental caused by asphyxiation due to defective flue. We recommend that the Board of Health cause notices to be posted on all unvented heaters, calling attention to the menace to life.

* * *

In the case of Violet Farnsley, inquested May 4, 1916.

Death due to carbon monoxide poison.

That said death was accidental. We hereby recommend that the Health Department officers' attention be called to the fact that a great many deaths have occurred owing to the gas heaters not being properly vented, and that a law be passed requiring that all gas heaters be properly vented.

* * *

In the case of James Doughty, inquested May 16, 1916.

Death due to burns and weakened condition, pneumonia.

Burns due to carelessness of authorities of Children's Hospital in not giving proper instructions to employes of Hospital in the use of electrical equipment.

We, the jury, recommend that the Coroner address a communication to each Hospital in the City and County of San Francisco calling their attention to this type of accident and requesting said authorities to formulate rules for the guidance of their employes in order to prevent future similar accidents.

* * *

In the case of Antonio Lorrea, inquested June 2, 1916

Death from carbon monoxide poison.

Accidental death from gas. It is the sense of the jury that it is the duty of the Supervisors of the City and County of San Francisco and the Legislature of the State of California to provide better protection for persons unfamiliar with the use of illuminating gas.

We find that the fixtures which combine gas and electricity are particularly dangerous to persons not familiar with the use of illuminating gas, and we recommend that better safeguards be provided in combination fixtures installed in all hotels and rooming houses.

* * *

In the case of James Nielsen, inquested August 2, 1915.

Said death was accidental, due to drowning.

We, the jury, hereby heartily commend the brave action of Samuel Stocker in risking his life in a heroic endeavor to rescue the body of James Nielsen, and the same Samuel Stocker repeatedly swimming out and diving for, and finally rescuing said body.

We, the jury, recommend that Coroner T. B. W. Leland bring to the attention of his Honor, Mayor James Rolph, Jr., of the heroic action of this young man, and we further recommend that the Mayor in some way show the appreciation of the City and County of San Francisco for this meritorious service.

Resolved further, that Coroner Leland be directed to forward said Samuel Stocker a copy of this recommendation, also that a copy be forwarded to his Honor, James Rolph, Jr.

* * *

In the case of Patrick Quinn, inquested August 2, 1915.

Said death was accidental, due to drowning.

Recommendations same as above in the case of James Nielsen.

* * *

In the case of Annie Dwyer, inquested August 5, 1915.

Deceased died from natural causes.

We further find from evidence that the deceased was thrown into jail on account of drunkenness and remained there several days before receiving the proper attention that should be given in the case of this kind.

It is the recommendation of the jury that it is high time that persons found under the influence of liquor should be given the attention they require and separated from criminals, to which class most drunkards thrown into jail do not belong. We recommend that the proper authorities take up this matter and that a ward for male and female inebriates be provided in San Francisco Hospital and that all cases of drunkenness be taken to the Hospital instead of the jail, recognizing as we do that drunkenness is a disease that cannot be eliminated until the cause has been removed and that it is a condition of weakness and environment. We believe that these people should be treated along humane lines and not as criminals.

* * *

In the case of John Moore, inquested August 10, 1915.

Deceased committed suicide while suffering from lack of drugs to which he had been addicted.

We recommend that the City and County of San Francisco and the State of California provide a separate institution for the treatment of all such cases.

* * *

In the case of Thomas Douglas, inquested April 26, 1916.

Suicide from gunshot wound of the head.

Melancholia while suffering from nervous trouble. We further recommend the Board of Supervisors be petitioned to make suitable provision for the treatment of such classes as this.

* * *

In the case of Nathan Feitelberg, inquested October 22, 1915.

Died from hemorrhage following fracture of skull.

That the said Nathan Feitelberg was attempting to drive across car track while driving on wrong side of street, and in so doing the rear wheel was struck by slow moving car, the contact throwing driver to the pavement. We exonerate the motorman.

We further recommend that Ordinance No. 1857, section 65, relative to lights being carried on vehicles other than motor driven, be rigidly enforced by the Police Department.

We further beg to inquire why the street lights are extinguished in this City at an hour in the morning when it is to dark for the safety of pedestrians or traffic crossing car tracks.

* * *

In the case of Emilio Sartori, inquested April 20, 1916.

Died from injuries—crushing of pelvis and leg.

Result of injuries received by being thrown from his wagon by a U. R. R. car through the carelessness of the motorman. We further find that the acci-

dent happened at night and deceased had no light on his wagon. Recommend that Chief of Police rigidly enforce transportation ordinance with reference to this subject.

* * *

In the case of Fred Pierce, inquested May 19, 1916.

Death from drowning.

Accidental death. We recommend that the Board of Public Works take immediate action to have the street adjoining the pond graded and sewered so that owners of the pond can have same drained and in the meantime owners to take proper precaution to prevent further loss of life.

* * *

In the case of William H. Whittock, inquested June 16, 1916.

Death from injuries—crushing of leg.

Accidental death due to being struck by street car and we hereby exonerate the motorman from all blame in the matter.

We also recommend that the Board of Public Works be requested to reconstruct that safety station and any other built on an angle which permits the running board or steps of a street car to over-lap the safety station.

* * *

In the case of Edward M. Flood, inquested November 29, 1915.

Deceased died from internal injuries.

Deceased met his death from injuries received from being crushed between the car and platform while following his occupation as brakeman and coupling cars at the Hercules Powder Works spur track at Pinole. We recommend the discontinuance of this spur track until conditions are improved.

* * *

In the case of Michael C. Donovan, inquested June 16, 1916.

Death from fractured skull.

Accidentally falling from orlop deck to an open floor space in hold of vessel Shinyo Maru. We also recommend that the State Harbor Commission appoint an inspector to instruct the contracting stevedores to take precautionary measures to prevent accidents before stevedores are permitted to work.

* * *

In the case of Abraham Braunstein, inquested April 26, 1916.

Suicide—arsenic poison.

While suffering from melancholy over ill health (tuberculosis) and we would respectfully recommend Board of Supervisors to make suitable provision for the treatment of such cases.

* * *

In the case of Olivia Duncan, inquested April 29, 1916.

Death from abortion.

That said death was due to hemorrhage following rupture of ectopic pregnancy, the rupture being produced by treatments by Dr. William N. Lamb claimed by him to have been for the purpose of relieving the effects of treatment to produce abortion. We further find: that said Dr. Lamb displayed gross ignorance in said case, and we further recommend that the County Medical Society take steps to revoke the license and privileges of the said Dr. Lamb, he being in our judgment incompetent to practice medicine. The essential police evidence and witnesses were absent in this case, and we, the jury, recommend that the said Dr. Lamb be arrested and charged with criminal intent to produce abortion.

* * *

In the case of Joseph Corwell, inquested June 16, 1916.

Death was accidental—collision of motor driven apparatus.

That this accident was caused by a motor driven engine running into the rear right wheel of a motor driven truck, said apparatus meeting at right angles. That the engine was preceded by a hose apparatus which always precedes an engine and which should have served as a warning to the driver of the approaching truck that an engine was following.

The driver of the engine testifies that the hose apparatus was three-quarters of a block a head of his engine. The driver of the truck states that the hose apparatus crossed Stockton street at Post when he was two blocks away at the mouth of the tunnel and that he could not determine at that disance that it was a hose apparatus.

On account of this discrepancy in the testimony we are unable to place the responsibility for the accident.

The drivers claim that they not only have to steer the apparatus and attend to its propulsion, but also have to attend to the danger signals (blowing of the siren, etc.).

We, the jury, believe that this accident could have been avoided had proper rules governing the right of way and for proper signalling been in force.

That a lookout be required to ride with the driver whose particular duty it will be to assist and warn the driver.

That the matter of the procedure of motor driven fire apparatus through the streets be given the serious attention of the fire department authorities to the end that the lives of firemen who are compelled to ride on the apparatus may not be needlessly endangered and that only the most experienced and highest type of drivers be employed.

* * *

In the case of Axel Olsen, inquested on January 10, 1916.

Death from injuries—crushing of chest wall.

Unavoidable accident and we further recommend that the Superintendent of the Industrial Accident Board confer with the business agent of the Hoisting Eng. Assn. to devise means to minimize such accidents.

* * *

In the case of Henry Chilson, inquested January 7, 1916.

Death from injuries—struck by falling billboard.

That he came to his death accidentally due to the fall of a twenty foot billboard situated on the southeast corner of Polk and O'Farrell streets, due to the unusual violence of the storm, and to prevent future accidents the jury recommends that no billboards or other similar structure shall be erected in the City and County of San Francisco in excess of ten feet in height, unless it be anchored with suitable anchors or dead men. The character of these anchors should be determined by the City Engineer.

* * *

In the case of William J. Malone, inquested February 24, 1916.

Death from injuries—fracture of chest wall.

Death was the result of injuries received by accidentally falling into a hole dug for placing pole for lighting purposes. We recommend that lights be maintained where such work is being done at night.

* * *

In the case of Chas. G. Schmitt, inquested May 5, 1916.

Death from injuries—fracture of chest wall and pelvis.

Accidentally falling through hatchway aboard steamer Nippon Maru, and we hereby recommend that the proper authorities require all owners to see that all hatchways and openings are properly protected.

* * *

In the case of Thomas Slattery, inquested April 20, 1916.

Death from injuries—fracture of skull.

Accidental—falling down bunkers of Twin Peaks Tunnel. Recommend that the contractors take proper precaution to prevent similar accidents in the future.

* * *

In the case of Patrick Whitney, inquested May 9, 1915.

Death from injuries—fracture of skull.

Said death was accidental, due to being struck by an automobile driven by one Richard Van Ness and we hereby exonerate the driver from all blame in the matter. The jury recommends that the Board of Public Works put street sweepers of old age in districts less dangerous than Golden Gate avenue, where deceased was killed.

REPORT

OF THE

DEPARTMENT OF PUBLIC HEALTH

SAN FRANCISCO, CALIFORNIA

FOR THE

FISCAL YEAR JULY 1, 1915—JUNE 30, 1916

ARTHUR H. BARENDT, President.

GUY E. MANNING, M. D.
A. P. O'BRIEN, M. D.
GEORGE B. SOMERS, M. D.
LAWRENCE ARNSTEIN.
FRANK J. KLIMM.
ARTHUR M. SHARP.

WM. C. HASSLER, M. D., Health Officer.
GEO. M. CONVERSE, M. D., Chief Sanitary Inspector.

ED. M. COFFEY, Statistician.

San Francisco, California, August 15, 1916.

Honorable James Rolph, Jr.,
Mayor, City and County of San Francisco.

Sir:—In conformity with the provisions of Article 9, Section 16, of the Charter of the City and County of San Francisco, I have the honor to submit herewith a report of the Department of Public Health covering the fiscal year ending June 30, 1916.

In formulating its report for the two previous fiscal years, this Department adopted the recommendation of the American Public Health Association, namely that an effort be made to create a uniformity in the style of Health reports for American cities, and in this report we will follow the procedure thus inaugurated. We repeat here the plan of arrangement as set forth by the Public Health Association:

"A", Title page.
"B", Composition of the Board of Health.
"C", Financial Statement.
"D", Diseases Dangerous to Public Health.
"E", Infant Mortality.
"F", School Inspection.
"G", Food inspection.
"H", Nuisances.
"I", Municipal Wastes.
"J", Inspection of Plumbing.
"K", Research, Education and Publicity Work.
"L", Other Work Done During the Year.
"M", Rules Passed Since Last Report.
"N", Local Problems.
"O", Recommendations.
"P", Vital Statistics.

"A" TITLE PAGE

The title page of this report will show the following names as constituting the membership of this board:

Arthur H. Barendt, President

Guy E. Manning, M. D.	Lawrence Arnstein
A. P. O'Brien, M. D.	Frank J. Klimm
Geo. B. Somers, M. D.	Arthur M. Sharp

"B" COMPOSITION OF THE BOARD OF HEALTH

No change has taken place in the composition of the personnel of the Board since the previous fiscal year (three physicians, four laymen).

Mr. Lawrence Arnstein, who had been appointed Nov. 18th, 1913, to fill the unexpired term of Mr. D. J. Murray, was re-appointed on December 23, 1915, to succeed himself, for a period of seven years.

The internal organization of the Health Department is as follows:

EXECUTIVE HEAD—HEALTH OFFICER

This official has general executive supervision over the following bureaus and divisions: (*See foot note.)

Bureau of Sanitation
Bureau of Laboratories
Clerical Division
Division of Accounts
Division of Dairy and Milk Inspection
Division of Food Inspection
Division of Meat and Market Inspection
Division of Plumbing Inspection
Division of Industrial Inspection
Division of Tenement House Inspection
Division of School Health Inspection
Division of Public Charities, which includes
- City Physician
- Social Service Workers
- Inspector of Indigents
- Emergency Hospitals
- San Francisco Hospital (General)
- Tuberculosis Hospital
- Isolation Hospitals
- Relief Home for Aged and Infirm.

"C" FINANCIAL STATEMENT

An exhaustive compilation of the expenditures of the entire department, including Central Office, Special Sanitation, Emergency Hospitals, San Francisco Hospital, Isolation Hospital and Relief Home for Aged and Infirm appears on page 492 (Table No. 1).

This table is worked out in minute detail and gives in unit cost the expense of conducting the Central Office with its many bureaus and divisions.

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* Note.—Under the heading of Title "C" (Financial Statement) pages 491 to 507, will be found a complete segregation of the various Bureaus and Divisions showing the number of inspectors, etc., employed in each class.)

"D" DISEASES DANGEROUS TO THE PUBLIC HEALTH

Sub. 1. Methods for Protection of the Community.

Quarantinable Diseases.

Diphtheria—Quarantine period not less than ten days from date of notification to the Health Office, usual length of quarantine twenty-eight days. Two successive "Negative" swabs taken five days apart must be shown before quarantine can be raised and disinfection performed. All contacts of school age are excluded from school during period of quarantine.

Scarlet Fever—Four weeks from date of report of case to Health Office. All contacts excluded from school.

Poliomyelitis (Infantile Paralysis)—Largely within the discretion of the Health Officer. At least thirty days from date of report of case to Health Office; longer when deemed necessary to adequately protect the public. Contacts rigidly excluded from school.

Smallpox—Police quarantine on premises, where cases are not removed to Isolation Hospital, such quarantine maintained until complete recovery is established.

Non-quarantinable Diseases.

The following diseases, while coming under the heading of "reportable" cases, are not subject to house quarantine, but periods of exclusion from school for patients and "contacts" are fixed as follows:

Measles—Three weeks from date of report.

Parotitis (Mumps)—Two weeks from date of report.

Pertussis (Whooping Cough)—Two weeks after paroxysms have ceased.

Varicella (Chickenpox)—Two weeks from date of report.

Impetigo, Scabies and other like affections—These cases are excluded from attendance at school at the discretion of the Medical Inspector or School Nurse until recovery is established and danger of communication of infection is removed.

In all cases of quarantinable diseases disinfection with Formaldehyde gas follows at the expiration of the time limit for quarantine, or upon notification of recovery, except in the case of smallpox, where sulphur fumigation usually follows:

Sub. 2. Comments on the Prevalence of Disease.

Mumps led in the class of minor communicable diseases with a total of 1384 cases for the fiscal year, the lowest point being in July, 1915, with 3 cases reported, the highest month being March, 1916, with 365 cases.

Chickenpox came next in order with 1016 cases, July, 1915, registering lowest with 18 cases, March, 1916, being highest with 149 to its credit.

Measles cases reported during the year were very light (total 135) especially when compared with fiscal year 1914-15 when 4199 cases were reported and in 1913-14 when 1996 cases were charged up.

Whooping cough cases totalled 619 as against 346 in 1914-15 and 1436 in 1913-14.

In the major communicable diseases, Diphtheria comes first with 1247 cases, scarlet fever closely following with 1123 cases to its credit. In 1914-15 diphtheria was charged with 1484 cases while in 1913-14 cases totalled 448. For 1914-15 scarlet fever had 288 cases and in 1913-14 was tabbed for 413 cases.

Table No. 2, page 509, furnishes a full and detailed report of all communicable diseases reported during the fiscal year.

Table No. 3, page 510, indicates cases reported and deaths from principal communicable diseases during the calendar year 1915.

Table No. 4, page 511, is a compilation showing cases reported and deaths from principal communicable diseases, by yearly periods since the year 1906.

Sub. 3. Bacteriological Laboratory.

Table No. 5, page 512, prepared by the Director of Laboratories, shows examinations made during the year for diphtheria, tuberculosis, typhoid fever, rabies and venereal diseases.

Sub. 4. Isolation Hospital.

Table No. 6, page 517, presents a resume of the number of cases admitted to the Isolation Hospital for treatment for various communicable diseases.

Sub. 5. Care of Cases Outside of Hospital.

No provision whatever is made for outside treatment by this Department of any case of communicable disease. Only those who are admitted to the Isolation Hospital are given this consideration.

Sub. 6. Control of Tuberculosis.

Up to this writing the Health Department has not made any effort in a general way at least, to assume the responsibility of handling a task admittedly of large proportions. Only cases admitted to the Tuberculosis Hospital for treatment come directly under the supervision of this department.

However, in the forthcoming budget estimate for the fiscal year 1916-17 the Board of Supervisors will be asked to set aside an appropriation of sufficient size to establish at least the nucleus of a Bureau of Tuberculosis to be under the direct control of the Board of Health.

Sub. 7. Distribution of Antitoxin.

Table 8, page 518, will give figures showing extent of distribution of free diphtheria antitoxin during the fiscal year.

Sub. 8. Vaccination.

Compulsory vaccination we regret to say is not in force in this city. The State compulsory vaccination law was repealed several years ago by the Legislature and we do not agree that this was an exceedingly wise act.

Our department has a regulation in force which is applied in the case of children entering school for the first time, i. e., that they cannot attend unless vaccinated, or they must present a statement signed by parent or guardian to the effect that there is a conscientious objection to such procedure.

When smallpox may be prevalent, all "contacts" must be vaccinated before being permitted to return to school or to work, as the case may be.

VACCINES—BACTERIOLOGICAL LABORATORY

During the year there were prepared and distributed: 131 ampoules of Typhoid Vaccine, 14 ampoules autogenous vaccine and 16 ampoules Mercurialized serum.

Sub. 9. Disinfection.

Table No. 9, page 519, gives in detail a comprehensive report of fumigations performed after communicable diseases.

(The cost of this work is set forth in Table No. 1, page 499.)

Sub. 10. Maritime Quarantine.

This is not a municipal function. It is strictly under Federal and State regulation.

"E" **INFANT MORTALITY**

Table No. 10, appearing on page 520, shows statistics covering mortality of children under one year of age, during the calendar year 1915.

"F" **SCHOOL HEALTH INSPECTION**

Herewith is reproduced a statement prepared by the Chief Medical Inspector of Schools furnishing a resumé of the accomplishments for the fiscal year under this division, which is of more than passing interest:

"The fiscal year ended June, 30th, 1916, has witnessed additional progress in the health inspection of schools.

During the year special attention was given to the hygiene of school buildings and the environment of these buildings, and whenever money was available, recommendations aiming at the betterment of unhygienic conditions were acted upon promptly and satisfactorily by the Board of Education.

In the control of diphtheria in the schools, the plan of taking routine throat and nose cultures of a class in which two or more cases of clinical diphtheria occurred, has yielded excellent results, and will be continued whenever necessity requires such procedure.

The present post-card method of the notification of parents where physical defects are found in children is a faulty one. Arrangements have been made to have such notices sent from the Central Office in a sealed envelope, which method will be productive of more satisfactory results. I desire to call your special attention to the installation of a central office card system record of the remediable defects found in school children. This gives the department definite and accurate knowledge of results obtained in this important branch of school inspection.

During the year two dental chairs were installed by Mothers' clubs, one in the Garfield School, corner of Kearny and Greenwich streets, and another in the Visitacion School. Altho the inauguration of these clinics by private philanthropy is a praiseworthy one, the establishing of dental clinics for the poor is a municipal problem and should be financed by and be under the control of the municipality.

Immediately following the close of the schools in June, the school nurses were put into the field to "follow up" the defect notices that had been issued to parents during the year. This is one of the most important of the varied functions of the school nurse. In the discharge of this duty, the nurse must explain to parents the nature of physical defects, and the necessity of having them corrected, in order to improve the efficiency of school progress. The school nurse thereby presents the child's side of the case, and in accomplishing results, renders an inestimable benefit to the community and social medicine. During the month of June, 1916, home visits to the number of 882 were made by the school nurses.

Negotiations are now under way with the authorities of Parochial schools aiming to include these schools within the scope of medical inspection. The consummation of such a plan would give the Health Department full knowledge and control of communicable diseases occurring in all children of school age, and would appreciably decrease the number of such diseases in the community.

REPORT ON AN OPEN AIR SCHOOL
(March, 1916.)

We visited the Open Air School, Greenwich Street above Jones, and found twenty-five children in attendance; just the number that can be comfortably accommodated with the present facilities. Altho this school has been in operation but four weeks, the improved nutrition of the children in attendance is most obvious. One child has gained eight pounds, and another three; the average gain is recorded as two and eleven sixteenths pounds. Haemoglobin

charts show gains commensurate with improved general conditions. Herewith is submitted a specimen daily menu:

9:15 a. m. Gruel 10 ozs., bread and marmalade.
12 noon. Split pea soup; spaghetti with tomatoes; apple sauce and bread.
2:30 p. m. Pasteurized milk, 10 ozs.

The teacher in charge reports that these children are making very satisfactory school progress. The participation of the children in the setting of the table, and other duties incident to the noonday meal has the excellent educational value of teaching cleanliness, and good manners to those whose home conditions very often precludes development along these lines." See Table 11, page 523, for statistical report of this division.

"G" FOOD INSPECTION

Table No. 12, page 524, presents figures showing inspections made of the various lines of business engaged in the sale and distribution of food supplies, including milk and dairy produce.

Condemnations and seizures of products unfit for human consumption are also shown.

Special inspection of restaurants, hotel kitchens, and places of a like character was inaugurated during the year, one sanitary inspector being detailed to this particular duty.

The results accomplished are shown as a part of Table No. 12.

Sub. 1. Dairy Inspection.

Table No. 13, page 525, indicates the work performed under this head. The table in question deals with two sets of inspectors—city and country. The first named (two in number), are laymen, and their work is devoted largely to inspection of city dairy depots and the taking of samples for laboratory analysis. Two country inspectors, both graduate veterinarians, confine their duties particularly to the inspection of dairy ranches in outside counties that ship their product into the city. Our department pays a great deal of attention to the base of the milk supply, insisting upon the keeping of healthy cattle and the maintaining of sanitary surroundings in the production of this commodity.

Table 14, page 526, presents a statement of milk samples taken during the fiscal year for chemical and bacteriological analysis.

LABORATORY WORK ON MILK

(Chemical (on milk.)

Table 15, page 527, shows the result of chemical analysis of milk samples seized during the fiscal year, giving history of finding and action against offenders.

BACTERIOLOGICAL (on milk)

Table 16, page 533, is devoted to a statement showing the bacteriological index of the city's milk supply for the fiscal year as determined by the Levy Method.

GENERAL LABORATORY WORK

Chemical Laboratory

Table No. 17, page 537, furnishes a report of general analytical work accomplished in the chemical laboratory (including milk samples).

Results of analyses of the city's drinking water will be found on pages 538 to 550 (Table No. 19).

Reference is made to Table No. 19, pages 538 to 550, for data on the results of analyses of the city's drinking water.

Subs. 7 and 8. Meat and Provision Inspection.

Reference to Table No. 20, page 551, furnishes complete figures showing all inspections made in this division, the extent of condemnation work and also presents statistics showing record of animals slaughtered for human consumption.

"H" NUISANCES

Under this heading is submitted:

Table No. 21, page 554, Division of Sanitary Inspection, giving a general resumé of nuisances complaints investigated and abated.

Table No. 22, page 555, shows what has been accomplished in the division of Industrial Inspection, the work of which is to remedy insanitary conditions found to exist in factories, workshops and other places of employment.

Table No. 23, page 556, covers a summarized history of Tenement House Inspection during the fiscal year.

This division has been in operation barely two years, and with the magnitude of the work involved in putting it into good working shape, it is hardly to be expected that thorough statistics of tenement and lodging houses are to be had at this time.

This work is carried on by three inspectors (two males, one female).

Arrangements have been perfected with the Bureau of Building Inspection, Board of Public Works, whereby our inspectors examine all plans submitted before a building permit can be issued.

Under this scheme, each plan before final approval passes through the hands of a Building Inspector, a Fire Warden and a Tenement House Inspector.

The Bureau of Building Inspection, Board of Works, issues the permit to build—the Tenement House Inspector, Board of Health issues the permit of occupancy—this latter document not being furnished until the Building Department forwards a "Certificate of Final Completion" to the Health Officer when a last inspection before occupancy is made by the Tenement House division.

In the examination of approval of plans of proposed alterations to tenements and lodgings we are confronted with a somewhat different condition from new work. In this case the building is already standing and is to be changed and modernized. Often the plans show a building that is to be changed or converted that does not fully comply with the law, but is a vast improvement over the existing structure.

In a case of this kind it resolves itself into leaving the old building as it is, or of granting some concessions, such as inadequate yard space, percentage of lot occupied, area of courts, etc.

These cases are carefully studied by both the Building Department, Board of Works, and the Tenement House division of this department and if the improvement warrants approval with respect to health and sanitation, aesthetics and safety, slight concessions are granted.

"I" MUNICIPAL WASTES

The disposal of garbage is regulated by Ordinance which provides for destruction of same by incineration. Dumping of this waste is absolutely prohibited. The city has built two garbage incinerators which up to this writing have not been put into active service, as their reduction properties are a matter of debate, and litigation is now in progress over the matter.

In the meantime the Sanitary Reduction Works which was taken over by the city through expiration of franchise, is being operated under private management, the city receiving a bonus on the gross profits.

The collection of garbage per se is not a municipal function . Individual scavengers working under permit issued by the Board of Health do the house to house collection and removal. The department of Health by powers invested in it through ordinance, regulates this feature insofar as the method of house to house collections are concerned, determines the character of receptacles to be used and adjusts all differences between the householder and the scavenger when questions arise as to service, overcharges, etc. The average charge for removal of household refuse is 35 cents per month (one removal each week).

"J" INSPECTION OF PLUMBING

On page 558 appears Table No. 24, which supplies data showing the inspections covered in this division during the fiscal year and results obtained in the installation of sanitary plumbing appliances to take the place of defective and insanitary fixtures.

We also show a record of examinations held for applicants to qualify for a Master Plumber's License and the results thereof.

"K" RESEARCH, EDUCATIONAL AND PUBLICITY WORK

Because of a lack of funds, the facilities for carrying out work as indicated in this caption are limited to such a degree as to be almost negligible.

We have repeatedly urged the appropriation of moneys that would enable us through the medium of literature, pamphlets, lectures, moving pictures and like methods to disseminate the doctrines of hygiene and the prevention of the spread of disease, the protection of the public health and all work of a similar character which comes naturally within the scope and province of our department, but so far we have failed signally.

Education in matters of health is what our citizens require, but with the very limited means now at our command we can do little towards bringing this about.

We look for the early dawn of a new day when this short-sighted policy will give way to a broader view of the duties and responsibilities devolving upon the municipality in so far as enlightenment of the public in health matters is concerned.

"L" OTHER WORK DONE DURING THE YEAR

Exclusive of the general work accomplished as set forth in the numerous tables which go to make up this report, the Board of Health, sitting as a "Condemnation" board, has accomplished much good work through proceedings which have resulted in the demolition of many insanitary and unsightly structures, the rehabilitation of others, and the vacation of numerous places unfit for human habitation.

In Table No. 25, appearing on page 561, the figures will show precisely the results obtained in this connection. This work is the result of joint action between the city authorities and the United States Public Health Service, a large part of an appropriation of $25,000 by the Federal Government being applied towards defraying the expense of inspection, etc.

REVENUE OF HEALTH DEPARTMENT

Table 26, page 563, will present a detailed statement of moneys collected by the Department for the issuance of certified documents proper to be charged for.

We also present in the same connection, table No. 26a, a classified list of permits issued for the conducting of the particular industries requiring the issuance of a certificate by the Health Officer.

ARRESTS FOR VIOLATION OF HEALTH ORDINANCES

Table 27, page 566, furnishes data indicating the activity of the department during the fiscal year in the enforcement through legal channels of health laws and ordinances. The number of arrests made, the number and character of the ordinance or law violated, convictions obtained and fines imposed are shown in detail.

"M" RULES PASSED SINCE LAST REPORT

During the fiscal year a new health ordinance was drafted by this Department, presented to the Board of Supervisors with our recommendation for adoption and eventually became a part of our Sanitary Code, i. e.:

Ordinance No. 3726. "Defining mattresses; regulating the making, remaking, and sale thereof, prohibiting the use of insanitary and unhealthy materials therein; regulating the buying and sale of used mattresses; requiring that materials used shall be accurately described, and the percentage of materials used in each mattress stated, and prescribing the manner in which mattresses shall be labeled and materials disinfected or sterilized, and authorizing the Board of Health to adopt regulations governing sanitation of premises." (Approved May 10, 1916.)

The law is now in full force and effect and its provisions are being carried out through the medium of proper inspection.

REGISTRATION OF PHYSICIANS AND MIDWIVES

By act of the State Legislature it devolved upon this Department to require the registration of every practicing physician in the city, and likewise all midwives by January 1, 1916. This work was properly accomplished within the time limit set and as a result the names of over 1100 physicians and 90 midwives are now duly registered with the Health Officer who, by virtue of his office, is under the State law, the Local Registrar for this district.

A movement is soon to be launched by this Department whereby it is hoped to compel by legislative enactment the registration of all persons practicing midwifery within the State. At present no requirement is necessary to enter this field of work, other than to merely register at the local Health Office. An adequate law will give us control of this very important feature, and will help raise the standard of practitioners.

"N" LOCAL PROBLEMS

At this writing there is no special local problem before us, nor has any such presented itself during the year. Our work is so varied in its scope and diversified in its character as to not permit as a general rule of giving consideration to any one feature. However, should any such contingency arise, we meet it as the exigency may present itself.

"O" INSTITUTIONS

Reports of institutions under the control of the department will be found as herewith set forth:

Emergency Hospitals, Alanson Weeks, M. D., Chief Surgeon, Table 28, page 567.

San Francisco Hospital (Inc. Tuberculosis Hospital), R. G. Brodrick, M. D., Superintendent, Tables 29-30, page 570 to 579.

Isolation Hospital, Arthur A. O'Neill, M. D., Medical Superintendent, Table 6, page 516.

Relief Home Aged and Infirm, Chas. M. Wollenberg, Superintendent, Table 31, page 580.

DIVISION OF CHARITIES

The report of the Inspector of Indigents on page 585, Table 32, gives figures showing admission of indigents to city institutions.

Table 33, page 586, covers the work done by the City Physician in the giving of gratuitous medical advice and treatment to the indigent sick; the protecting of the interests of the city in the matter of investigation of Municipal Railway accidents and cases of injuries sustained by city employees and the relation of such to the operation of the State Compensation Act. (Employers Liability Law.)

"P"

VITAL STATISTICS

The compilation of the Birth and Death records covering the fiscal year is exhaustively covered in the various tables appearing on pages 587 to 668.

While not altogether in accord with the recommendations as offered by the American Public Health Association, they set forth in a very comprehensive form all of the data usually sought for in this connection. It is no easy matter to make a radical change in the methods of presenting these statistics, though it is quite likely that in the next annual report our statistical tables will conform very closely if not entirely to the style of tables used now by the United States Bureau of the Census (Division of Vital Statistics).

On page 588 the record of births registered is given in tabulated form.

Record of still births (excluded from foregoing table) appears on page 589.

Table 6, page 669, shows interments, cremations, shipments, etc., of human remains.

See Table 7, page 670, for record of disinterments and removals, etc.

Respectfully submitted,

ARTHUR H. BARENDT,
President, Board of Health.

Attest:
WILLIAM C. HASSLER, Health Officer.

TABLE 1

DIVISION OF ACCOUNTS

For the fiscal year 1915-1916 the Auditing Department shows in its statement of comparative units and costs an increase of work in the Central Office of 154,630 units. This is an increase of .088 over the work done in the previous fiscal year.

The work of the Auditing Department compared with last year is as follows:

	Requisitions	Demands
1914-1915	7983	5570
1915-1916	6700	4664
Decrease	1283	906

The funds audited during the year have decreased $23,268.61 from the year before, the decrease being in the funds for the equipment of the San Francisco Hospital, which has been completed.

The work of the laboratories has increased 1862 examinations, a percentage of about .04.

The clerical work which is not overhead has decreased from 44,414 units to 41,120, a difference of 3,294 units. The decrease in work is .074.

The work of the different inspection corps has increased 153,873 units, an increase of 9 per cent.

TABLE 1

FINANCIAL STATEMENT OF THE DEPARTMENT OF

	1915					
	July	Aug.	Sept.	Oct.	Nov.	Dec.
Relief Home—						
Salaries	5554.50	5538.00	5548.37	5512.84	5576.50	5600.8
Maintenance	12453.04	10876.08	12142.50	13634.54	12834.97	13849.7
Additional Supplies	500.00	500.00	500.00	500.00	500.00	500.0
Water	131.68	20 13	.....	74.00	91.17	107,0
Receipts	30.00	365.00	60.00	332.00	104.79	105.8
Isolation Hospital—						
Salaries	1496 80	1574.70	1465.00	1394.00	1379.84	1556.0
Maintenance	1410.07	1185.32	1149.73	1091.42	1505.69	1739.3
Additional Supplies	.....	.....	.....	.....	175.00	.....
Water	125.98	131.98	82.83	87.18	84.75	63.8
Electricity (Light)	5.55	4.80	3.87	7.23	10.71	12.3
Special Sanitation—						
Salaries	626.67	630.00	630.00	630.00	555.00	555.0
Expenses	190.84	184.21	286.76	194.73	308.08	249.4
Central Office—						
Salaries	9931.15	9981.00	9990.00	9981.50	10086.00	10148.6
Expenses	1438.14	1059.44	1074.48	1046.00	1123.08	1125.5
Burial of Indigent Dead	248.50	199.50	253.00	235.00	333.50	256.0
Special Appropriations	1096.70	.....	.....	566.15	.....	2.8
Rent	350.00	350.00	350.00	350.00	350.00	350.0
Water	14.06	18.21	10 14	8.23	9.66	8.2
Electricity (Light)	15.96	12.42	14.13	17.07	28.02	34.2
Receipts	87.25	91.75	90.25	121.00	93.25	109.5
Emergency Hospital—						
Salaries	5659.00	5659.00	5659.00	5659.00	5659.00	5635.0
Maintenance	412.32	1113.60	758.68	1161.93	1089.35	1267.8
Vacation, Reliefs	519.35	601.50	412.45	372,85	304.65	139.1
Electricity (Light)	33.48	132.45	69.63	57.72	57.93	65.3
Water	27.26	31.92	22 44	10.80	16.84	20.0
Rent	225.00	225.00	225.00	225.00	225.00	225.0
San Francisco Hospital—						
Salaries	9940.45	10221.30	10081.55	9931.75	10206.85	10394.6
Salaries T. B. Dept.	1733.05	1723.50	1718.45	1649.70	1635.45	1637.7
Maintenance	8779.95	8615.37	10345.30	10560.43	18814.78	12649.3
Equipment	1652.70	3711.32	398.85	2709,16	1125.59	517.9
Water	653.58	630.43	813.96	595.68	511 73	471.4
Electricity (Light)	46.95	46.41	45.57	62.43	86.19	112.8
Receipts	53.00	79.50	10.00	48.41	34.70	94.1
Gasoline and Oil for Autos	66.01	49.84	83.85	56.07	70.46	56.0
Purchase of Ambulance	.....	3000.00	.....	.....	.....	.....
Total	65508.99	68563.68	64295.79	68883.82	74988.53	69661.2

Relief Home—

Transferred from 1914-1915	689.90
Expended for Maintenance 1915-1916	155,484.86
Total	156,174.76

San Francisco Hospital—

Transferred from 1914-1915	2,520.92
Expended for Maintenance 1915-1916	155,574.40
	158,095.32
Transferred to 1916-1917	38.40
	158,056.92

Relief Home	
Isolation Hospital	
Central Office	
Emergency Hospital	
S. F. Hospital	

—Continued.

PUBLIC HEALTH FOR THE FISCAL YEAR 1915-1916.

1916						Total		Balance	Appro-priation
Jan.	Feb.	Mar.	Apr.	May	June				
5501.35	5570.10	5599.72	5591.00	5456.00	5531.01	66580.24	.....	.....	.....
12443.84	12633.33	13615.95	12146.89	15076.49	13777.46	155484.86	222065.10	.....	222065.10
500.00	1500.00	2000.00	500.00	500.00	500.00	.....	8500.00	.....	.....
89.75	107.05	116.12	124.03	223.96	765.64	.....	* 1850.58	.....	.....
61.00	418.65	117.02	30.00	559.80	203.33	.....	2387.39	.....	.....
1759.50	1780.85	1881.50	2175.00	2048.40	2126.00	.....	20637.59	30.41	20668.00
1714.37	2001.08	2698.20	2373.13	2054.13	2228.30	.....	21150.82	.....	21150.82
.....	.....	.....	.....	799.68	1210.69	.....	2185.37	.93	2186.30
56.96	69.10	68.80	98.86	115.55	118.96	.....	* 1104.80	.....	.....
13.35	9.42	7.26	4.17	3.78	3.06	.....	* 85.56	.....	.....
555.00	630.00	630.00	630.00	555.00	490.00	7116.67	.....	.....	.....
198.77	159.77	250.38	248.23	251.73	358.10	2881.04	9997.71	2.29	10000.00
10198.00	10251.55	10346.15	10128.35	10284.65	10414.50	.....	121741.50	.....	121741.50
1495.51	1343.59	1389.11	1153.71	1437.65	801.30	.....	14487.59	.....	14487.59
308.50	252.50	309.50	249.00	211.00	136.50	.....	2992.50	1007.50	4000.00
.....	.....	.....	.....	.....	.....	.....	1665.70	.45	1666.15
350.00	350.00	350.00	350.00	350.00	350.00	.....	* 4200 00	.....	.....
10.89	12.74	11.36	11.13	13.62	15.82	.....	* 144.06	.....	.....
53.22	34.47	26.07	17.04	19.44	14.82	.....	* 286.95	.....	.....
119.50	120.00	226.20	103.50	95.25	108.00	.....	1365.45	.....	.....
5647.00	5647.00	5635.00	5635.00	5816.35	5725.00	.....	68035.35	16.65	68052.00
1557.80	872.98	1142.55	1239.72	2069.60	1525.17	.....	14211.57	123.43	14335.00
124.70	124.65	137.95	124.65	.....	134.00	.....	2995.90	4.10	3000.00
73.47	66.90	73.77	44.37	44.85	37.62	.....	* 757.53	.....	.....
17.96	17.93	13.68	14.12	12.73	11.05	.....	* 216.79	.....	.....
225.00	225.00	1275.00	1275.00	1275.00	1275.00	.....	* 6900.00	.....	.....
10264.90	10971.50	11071.80	10643.00	10885.75	11206.80	125820.25	.....	.....	.....
1849.30	1851.50	1851.95	2201.00	2126.55	1912.75	.....	21890.95	19.05	21910.00
15129.26	13767.07	14932.79	13223.99	13025.53	15730.59	155574.40	281394.65	.....	281394.65
12.00	122 25	536.55	89.00	.....	53,39	.....	10928.76	2969.70	13898.46
473.00	467.17	454.32	544.04	533.13	553.64	.....	* 6702.15	.....	.....
117.90	97.65	79.26	49.17	45.54	46.95	.....	* 836.91	.....	.....
15.93	9.15	20.20	383.23	.....	24.00	.....	772.30	.....	.....
80.92	75.83	65.42	57.41	57.41	82.01	.....	* 801.30	.....	.....
.....	.....	.....	.....	.....	.....	.....	3000.00	.....	3000.00
71018.65	71560.78	76933.58	71457.74	75948.57	77471.46	.....	856292.83	4174.51	832055.57

Stationery	Printing	Books	Postage	Total	
155.10	181.27	35.84	112.00	484.21	
81.67	24.54	12.83	26.00	145.04	
432.75	1,370.18	552.42	912.00	3,267.35	
81.60	276.18	173.18	45.00	575.96	
334.28	953.15	278.89	109.50	1,675.82	6,148.38
					862,441.21
				Less receipts	4,525.14
				Total cost	857,916.07

* Not paid out of Department of Public Health Appropriations.

TABLE 1—Continued.

COMPARATIVE STATEMENT OF UNITS OF WORK AND COSTS OF EACH UNIT WITH PREVIOUS YEAR.

	1914-15	1915-16	Increase	1914-15	1915-16	Decrease
	Amount Expended			Cost per Dollar		
Auditing Department	$879,561.44	$856,212.83	$23,268.61*	.0048	.0051	.0003†
	Units of Work			Cost per Unit		
Bureau of Vital Statistics—Certificate recorded or permit issued	30,861	29,756	1,105*	.166	.185	.019†
Bureau of Laboratories—Examination or analysis	39,863	41,725	1,862	.393	.406	.013†
Sanitary Inspection—Inspections	8,550	16,002	7,452	1.477	.781	.696
Disinfection—Rooms disinfected	4,665	5,222	557	1.242	1.173	.069
Plumbing Inspection—Inspections	22,762	24,028	1,266	.67	.636	.034
Market Inspection—Markets and Cattle	1,113,353	1,220,096	106,743	.03	.028	.002
Food Inspection—Inspections	4,637	5,100	463	.689	.697	.008†
Dairy Inspections—Dairies, Depots and Cows	135,458	167,840	32,382	.075	.058	.017
Milk Inspection—Samples	3,614	2,960	654*	.389	.562	173†
Industrial Inspection—Inspections	8,810	8,580	230*	.658	.578	.08
School Medical Inspection—Examinations, Treatments and Dressings	229,543	233,802	4,259	.119	.113	.006
City Physician—Visits and Treatments	4,944	4,594	350*	.609	.70	.091†
Inspector of Indigents—Investigations	8,216	10,754	2,538	.225	.201	.024
Tenement House Inspection—Inspections	4,491	3,938	553*	.85	1.225	.375†
Total	1,619,767	1,774,397	154,630			

* Decrease.
† Increase.

TABLE 1—Continued.

STATEMENT OF UNIT COSTS CENTRAL OFFICE, DEPARTMENT OF PUBLIC HEALTH, 1915-1916.
EXECUTIVE OFFICE.

		Funds, Dept. of Public Health	Other Funds
Salaries—			
Health Officer, Chief Clerk, Filing Clerk, Stenographer and two-thirds salary of Telephone Operator		$ 9,122.07	
Expenses—			
General and overhead expense of department		1,575.91	
Depreciation of Equipment—			
Value July 1, 1915	$3,712.60		
Purchased during year	470.46		
Purchased with other than department funds	50.10		
Total	$4,233.16		
Less 10% for depreciation		423.32	
		11,121.30	
Deduct $250 expense Baby Hygiene Week. Not a proper charge		250.00	
		10,871.30	
Rent, 1085 Mission Street			4,200.00
Light			286.95
Water			144.06
Stationery and Printing			859.22
Postage			780.10
Salaries, two police officers detailed to Department of Public Health			2,928.00
Wages, Janitor furnished by Board of Public Works			1,080.00
Total		$10,871.30	$10,278.33

This total cost of executive office is to be divided among the different bureaus pro rata to the number of months worked during the fiscal year 1915-1916.

Total number of working months Central Office, 920.5.

Average pro rata of executive cost per working month, $11.81.

Average pro rata of rent, light, water, stationery, postage referred to in the report as other costs per working month, $11.17.

TABLE 1—Continued

	D. of P. H. Funds	Other Funds	Total	Units of Work	Total	Average
AUDITING DEPARTMENT—						
Salaries, Auditor and Clerk	$3,620.00					
Expenses	15.37					
Pro rata of executive cost 24 months' work	283.45					
Pro rata of other costs		268.00				
Printing		179.18				
Postage		30.35	4,396.35			
Total Amount audited					856,292.83	
Cost of expense per dollar						.0051
BUREAU OF VITAL STATISTICS—						
Salaries, three clerks	4,200.00					
Expenses	97.63					
Pro rata of executive cost 36 months' work	425.15					
Pro rata of other costs		402.00				
Printing		373.31				
Postage		13.15	5,511.24			
Burial, Cremation, Disinterment and Miscellaneous Permits issued				12,558		
Abstracts of Birth and Death Records issued				1,501		
Births and Deaths recorded				15,697	29,756	
Cost of each unit						.185

BUREAU OF LABORATORIES—

Salaries, director, bacteriologist, two chemists and four assistants		11,885.85	525.00				
Expenses		1,826.98	55.27				
Pro rata of executive cost 98 months' work		1,157.40					
Pro rata of other costs			1,094.60				
Printing			105.38				
Postage			44.45				
Depreciation of Equipment:							
Value July 1, 1915	$2,436.12						
Purchased during year	219.15						
Total	$2,655.27						
Less 10% for depreciation		265.53		16,960.46			
Bacteriological Examinations					37,622		
Chemical Analyses					3,926		
Pasteur Treatments					177		
Cost of each unit						41,725	.406

TABLE 1—Continued

BUREAU OF SANITATION—GENERAL AND OVERHEAD COSTS.

		Funds, Dept. of Public Health	Other Funds
Salaries—			
Chief Sanitary Inspector, Clerk Bureau of Sanitation, Two Stenographers and one-third salary of telephone operator	$8,200.08		
Expenses—			
Value of Auto Equipment	$426.00		
Depreciation of Equipment		382.63	70.62
Printing			559.77
Postage			42.70
Pro rata of Executive Costs, 58 months' work		685.00	
Pro rata of Other Costs			647.40
Total	$9,267.71		$1,320.49

The total cost of the Bureau of Sanitation is to be divided among the different bureaus pro rata to the number of months worked during the fiscal year 1915-1916.

Total number of working months	678.5
Average pro rata of bureau cost	13.66
Average pro rata of bureau cost from other funds	1.95

TABLE No. 1—Continued

	D. of P. H. Funds	Other Funds	Total	Units of Work	Total	Average
SANITARY INSPECTION—						
Salaries of five inspectors	$ 7,950.00	.....	.....	.....	.....	.....
Transportation and expenses	436.55	.....	.....	.....	.....	.....
Antitoxin and Vaccine	1,969.26	49.60	.....	.....	.....	.....
Pro rata of executive cost 54 months' work	637.75	.....	.....	.....	.....	.....
Pro rata of other costs	.....	603.00	.....	.....	.....	.....
Printing	.....	10.15	.....	.....	.....	.....
Pro rata of Bureau of Sanitation costs	737.60	105.00	12,498.91	.....	.....	.....
Number of inspections made on complaint	.....	.....	.....	9,526	.....	.....
Premises placed in quarantine and infectious diseases investigated	.....	.....	.....	6,476	16,002	.....
Cost of each unit	.....	.....	.....	.....	.....	.781
DISINFECTION—						
Salaries of two disinfectors	2,941.65	.....	.....	.....	.....	.....
Transportation and expenses	1,615.79	268.66	.....	.....	.....	.....
Value of automobile equipment	$390.00					
Depreciation of equipment	360.00	.....	.....	.....	.....	.....
Pro rata of executive cost 24 months' work	283.45	.....	.....	.....	.....	.....
Pro rata of other costs	.....	268.00	.....	.....	.....	.....
Pro rata of Bureau of Sanitation costs	327.80	46.50	.....	.....	.....	.....
Printing	.....	13.45	6,125.30	.....	.....	.....
Number of rooms disinfected	.....	.....	.....	.....	5,222	.....
Cost per room	.....	.....	.....	.....	.....	1.173

TABLE 1—Continued.

	D. of P. H. Funds	Other Funds	Total	Units of Work	Total	Average
PLUMBING INSPECTION—						
Salaries of chief and five inspectors	10,050.00	.....	.....	.....	.....	.....
Transportation and expenses	1,522.94	376.47	.....	.....	.....	.....
Value of automobile equipment—Old $ 730.00						
New 350.00						
$1,080.00						
Depreciation of equipment	720.00	.....	.....	.....	.....	.....
Pro rata of executive cost 65 months' work	767.65	.....	.....	.....	.....	.....
Pro rata of other costs	.....	726.00	.....	.....	.....	.....
Pro rata of Bureau of Sanitation costs	887.80	126.50	.....	.....	.....	.....
Printing	.....	97.64	15,275.00	.....	.....	.....
Number of plans examined	.....	.....	.....	1,579	.....	.....
Inspection on construction and sewers	.....	.....	.....	17,750	.....	.....
Inspection of nuisances	.....	.....	.....	4,699	24,028	.....
Cost of each unit	.....	.....	.....	.....	.....	.636
MARKET INSPECTION—						
Salaries of three veterinarians and fourteen inspectors	25,935.00	.....	.....	.....	.....	.....
Transportation and expenses	227.69	.....	.....	.....	.....	.....
Pro rata of executive costs 204.5 months' work	2,415.20	.....	.....	.....	.....	.....
Pro rata of other costs	.....	2,284.10	.....	.....	.....	.....
Pro rata of Bureau of Sanitation	2,793.31	398.50	.....	.....	.....	.....
Printing	.....	9.50	34,063.30	.....	.....	.....
Places inspected	.....	.....	.....	23,356	.....	.....
Cattle, sheep, hogs, goats slaughtered and inspected	.....	.....	.....	826,149	.....	.....
Poultry and game, dozens	.....	.....	.....	328,916	.....	.....
Fish, boxes of 200 lbs.	.....	.....	.....	41,675	1,229,096	.....
Cost of each unit	.....	.....	.....	.....	.....	.028

FOOD INSPECTION—						
Salaries of two inspectors	2,333.30	.....	.....	.....	.....	.....
Transportation and expenses	258.82	69.02	.....	.....	.....	.....
Value of automobile equipment $352.00						
Depreciation of equipment	180.00	.....	.....	.....	.....	.....
Pro rata of executive cost 18.5 months' work	218.50	.....	.....	.....	.....	.....
Pro rata of other costs	.....	206.15	.....	.....	.....	.....
Pro rata of Bureau of Sanitation	252.70	36.00	3,554.49	.....	.....	.....
Number of inspections made	.....	.....	.....	4,433	.....	.....
Samples collected for analyses	.....	.....	.....	667	5,100	.....
Cost of each inspection	.....	.....	.....	.....	.....	.697
DAIRY INSPECTION—						
Salaries of two veterinarians and two inspectors	5,766.53	.....	.....	.....	.....	.....
Transportation and expenses	1,916.25	87.12	.....	.....	.....	.....
Value of Automobile equipment $240.00						
Depreciation of equipment	360.00	.....	.....	.....	.....	.....
Pro rata of executive costs 41.5 months' work	490.15	.....	.....	.....	.....	.....
Pro rata of other costs	.....	463.00	.....	.....	.....	.....
Pro rata of Bureau of Sanitation	566.80	80.74	.....	.....	.....	.....
Printing	.....	19.00	9,749.59	.....	.....	.....
*Dairies inspected in San Francisco	.....	.....	.....	139	.....	.....
*Dairies inspected in other counties	.....	.....	.....	1,257	.....	.....
*Dairy depots	.....	.....	.....	2,186	.....	.....
*Miscellaneous milk venders	.....	.....	.....	1,439	.....	.....
Cows inspected	.....	.....	.....	162,792	.....	.....
Sample of water for analyses	.....	.....	.....	27	167,840	.....
Cost of each unit	.....	.....	.....	.....	.....	.058

* Includes cans and appliances.

TABLE 1—Continued.

	D. of P. H. Funds	Other Funds	Total	Units of Work	Total	Average
MILK INSPECTION—						
Salaries of food and dairy inspectors	1,233.52	.....	.....	.....	.....	.....
Expenses	30.32	.....	.....	.....	.....	.....
Pro rata of executive costs 10 months' work	118.10	.....	.....	.....	.....	.....
Pro rata of other costs	.....	111.50	.....	.....	.....	.....
Pro rata of Bureau of Sanitation	136.60	19.25	.....	.....	.....	.....
Printing	.....	13.65	1,662.94	.....	.....	.....
Samples of milk collected from all sources	.....	.....	.....	.....	2,960	.....
Cost of each sample taken	.....	.....	.....	.....	.....	.562
INDUSTRIAL INSPECTION—						
Salaries of three inspectors	3,641.65	.....	.....	.....	.....	.....
Transportation and expenses	208.46	.....	.....	.....	.....	.....
Pro rata of executive costs 29 months' work	342.50	.....	.....	.....	.....	.....
Pro rata of other costs	.....	323.58	.....	.....	.....	.....
Pro rata Bureau of Sanitation	396.10	56.30	4,968.59	.....	.....	.....
Number of inspections	.....	.....	.....	.....	8,580	.....
Cost of each inspection	.....	.....	.....	.....	.....	.578
SCHOOL MEDICAL INSPECTION—						
Salaries of three medical inspectors and fourteen nurses	17,475.65	.....	.....	.....	.....	.....
Expenses and transportation	1,032.03	.....	.....	.....	.....	.....
Pro rata of executive costs 203.5 months' work	2,403.35	.....	.....	.....	.....	.....
Pro rata of other costs	.....	2,273.00	.....	.....	.....	.....
Pro rata Bureau of Sanitation	2,779.70	396.45	.....	.....	.....	.....
Printing	.....	98.90	26,459.08	.....	.....	.....
Examinations by medical inspectors	.....	.....	.....	9,555	.....	.....
Examinations by nurses, including dressings and treatments	.....	.....	.....	213,139	.....	.....
Home visits	.....	.....	.....	11,108	233,802	.....
Cost per unit	.....	.....	.....	.....	.....	.113

CITY PHYSICIAN—						
Salary	2,400.00					
Expenses and transportation	535.55					
Pro rata of executive costs 12 months' work	141.70					
Pro rata of other costs		134.00				
Postage		1.25	3,212.50			
Visits and treatments				1,550		
Visits and treatments prison and jail				2,826		
Municipal Railway accidents, visits to injured				103		
Liability Act, visits to injured				115	4,594	
Cost per unit						.70
INSPECTOR OF INDIGENTS—						
Salaries two inspectors	1,350.51					
Expenses and transportation	275.00	37.61				
Value of automobile equipment	$387.90					
Depreciation of equipment	180.00					
Pro rata of executive costs 14 months' work	165.35					
Pro rata of other costs		156.00	2,164.47			
Total number investigations and calls					107.54	
Cost per unit						.201
TENEMENT HOUSE INSPECTION—						
Salaries of three inspectors	3,541.70					
Expenses and transportation	167.24					
Pro rata of executive costs 28.5 months' work	336.60					
Pro rata of other costs		318.00				
Pro rata of Bureau of Sanitation	389.30	55:25				
Printing		16.20	4,824.29			
Total number of inspections					3,938	
Cost per inspection						1.225

TABLE 1—Continued.

CLASSIFICATION OF EXPENDITURES FOR THE FISCAL YEAR 1915-1916 ON THE BASIS SUGGESTED BY THE BUREAU OF THE CENSUS, DEPARTMENT OF COMMERCE AND LABOR.

Conservation of Health				$254,559.39
General Administration			$ 27,162.10	
Salaries of Executive Officers		$ 8,400.00		
Salaries of Accountant, Clerks, Stenographers and Telephone Operators		9,122.11		
Office supplies, postage, printing, books, stationery, photography, janitorials, telephone and telegraph		4,083.75		
Rent		4,200.00		
Water, light, heat		524.19		
Automobiles for general administration		807.13		
Other general expenses		24.92		
Vital Statistics			7,797.67	
Notification and registration of births, and registration of sickness, deaths, recovery from sickness, and issuing permits for burial and disinterment and making abstracts of records		6,897.67		
Tabulation analysis interpretation and publication of statistics		900.00		
Treatment and Prevention of Communicable Diseases			183,902.70	
Tuberculosis Hospital, 78,066 hospital days at 1.03		80,464.23		
Laboratory and Research Work	$ 1,038.36			
Disinfection	934.16			
Inspection, condemnation and destruction of cows, beef animals and meat affected with tuberculosis	23,291.14			
Hospital for Communicable Diseases other than Tuberculosis		43,298.81		
Isolation Hospital—				
Diphtheria	409 cases			
Diphtheria carriers	119 cases			
Scarlet fever	148 cases			
Measles	12 cases			
Erysipelas	57 cases			
Gonorrheal vaginitis	16 cases			
Gonorrheal ophthalmia	5 cases			
Other communicable diseases	41 cases			
Total	807 cases			

Other treatment of communicable diseases		21,745.27	
Laboratory work in diagnosis	11,339.86		
Physicians and inspectors	10,405.41		
Salaries	$7,950.00		
Transportation	436.55		
Vaccine and antitoxin	2,018.86		
Other prevention of communicable diseases		13,130.73	
Disinfection	3,891.94		
Extermination of rats	9,238.79		
Conservation of Child Life			18,986.73
Medical work for school children		18,507.68	
Inspection of school children by physicians	4,200.00		
Work of nurses for school children	14,307.68		
Conservation of life of infants		313.00	
Supervision of maternity hospitals and lying-in institutions	17.55		
Publicity and educational	295.45		
Other conservation of child life		166.05	
Regulation and supervision of the boarding out of children	162.90		
Supervision of orphanages and day nurseries	3.15		
Food Inspection			16,710.19
Milk and dairy control		10,652.48	
Inspection and tests of herds and inspection of stables, milk stations, ice cream manufacturers and collection of samples of dairy products	9,033.74		
Laboratory and research including tests of dairy products	1,618.74		
Other food regulation and control		6,057.71	
Inspection of all places for sale and manufacture of food, including bakeries, restaurants and hotels and the collection of samples of food drinks and drugs	5,761.57		
Laboratory and research including tests of all foods, drinks and drugs other than dairy products	296.14		

TABLE 1—Continued.

CLASSIFICATION OF EXPENDITURES FOR THE FISCAL YEER 1915-1916 ON THE BASIS SUGGESTED BY THE BUREAU OF THE CENSUS, DEPARTMENT OF COMMERCE AND LABOR—Continued

Sanitation and Promotion of Cleanliness			3,140.33
General sanitary regulation and inspection		1,159.97	
Inspection of scavenger wagons	198.90		
Inspection of slaughter houses	946.22		
Inspection of bathing establishments	14.85		
Inspection of laundries		422.10	
Inspection of moving picture theaters		300.60	
General and unspecified inspection		1,257.66	
Expenses for General Hospitals and Care of Sick and Injured			330,328.02
Emergency Hospitals, five (number of cases handled 34,393)		93,693.10	
General Hospital (137,035 hospital days at 1.693)		232,036.25	
Medical attention for indigent, prisons and jails, municipal railway accidents and for persons injured under employers' liability act		2,935.55	
Social service investigation of applicants for admission to public institutions and for medical and surgical attention		1,663.12	
Miscellaneous Protection of Person and Property			15,692.65
Dwelling and tenement house inspection		3,708.94	
Factory, store and workshop inspection		232.65	
Examination of plumbers and plumbing inspection		11,751.06	
Other Activities			235,892.39
Care of aged and infirm		224,399.89	
Lodging house for unemployed		8,500.00	
Burial of indigent dead		2,992.50	
Outlays			18,303.29
Purchase of automobile for inspection purposes		1,665.70	
Furniture and office equipment		479.31	
Laboratory equipment		219.15	
Additional equipment for general hospital		10,928.76	
Additional equipment for communicable disease hospital		2,010.37	
Purchase of ambulance		3,000.00	

TABLE 1—Continued.

SUMMARY.

			Percentage of Expenditure
Conservation of Health		$254,559.39	.2968
General Administration	$ 27,162.10		.0317
Vital Statistics	7,797.67		.0091
Treatment and Prevention of Communicable Diseases	183,902.70		.2143
Conservation of Child Life	18,986.73		.0221
Food Inspection	16,710.19		.0194
Sanitation or Promotion of Cleanliness	3,140.33		.0036
General Hospitals and Care of Sick and Injured		325,729.35	.3796
Protection of Person and Property		15,692.65	.0182
Other Activities		240,491.06	.2803
Outlays		18,303.29	.0213
Total		$857,916.07	

TABLE 1—Continued.

AUTOMOBILE COSTS AND MILEAGE FISCAL YEAR 1915-1916.

Total Mileage	91,481
Total Cost	4,148.22
Average Cost per Mile	.0453
Total Cost including depreciation	6,308.22
Average Cost per Mile	.0689

		Miles	Cost	Cost per mile	Cost*	Cost per mile*
E 248	Dairy	10,978	432.29	.0393	612.29	.0558
E 249	Dairy	11,727	573.41	.0488	753.41	.0642
E 250	Plumbing	6,830	415.11	.0607	595.11	.0871
E 251	Plumbing	6,467	356.29	.0550	536.29	.0829
E 252	Disinfection	6,401	368.74	.0576	548.74	.0857
E 253	Plumbing	7,732	385.76	.0498	565.76	.0732
E 254	Disinfection	4,919	365.90	.0743	545.90	.111
E 256	Plumbing	9,816	312.00	.0317	492.00	.0503
E 257	Inspection of indigents	6,498	165.42	.0254	345.42	.0531
E 258	Food and milk	6,687	230.12	.0344	410.12	.0613
E 259	Plumbing	6,276	206.55	.0329	386.55	.0616
E 260	Sanitary inspection	7,150	336.63	.0470	516.63	.0723
		91,481	4,148.22		6,308.22	

* Including depreciation.

TABLE 2.

ANNUAL REPORT COMMUNICABLE DISEASES.

	Total	1915						1916					
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
Amebiasis	3		2		1								
Anthrax (Human)	1							1					
Beri Beri													
Cerebro Spinal Meningitis	4	1			1			1					1
Chickenpox	1016	18	27	36	98	146	84	118	148	149	76	83	33
*Diphtheria	1247	87	57	34	39	101	116	129	120	174	128	155	107
Eczema	1				1								
Erysipelas	111	5	3	3	6	6	8	20	20	2	11	15	12
Favus													
Glanders (Animal)	74	1	4	7	8	2		3	6	13	2	2	26
Impetigo	5			1				1		1			2
Influenza	4					1		2	1				
Leprosy	2					1			1				
Malaria	19		4	1	5	2					1	4	2
Measles	135	10	8	7	8	2	7	21	11	11	10	23	17
Mumps	1384	3	14	17	21	57	66	91	290	365	144	237	79
Ophthalmia neonatorum	1										1		
Pediculosis	11				1								10
Pneumonia	423	16	7	33	35	48	57	65	35	56	24	21	26
Poliomyelitis	6	1		1		1	2						1
Rabies (Animal)													
Ringworm	1					1							
Rotheln	8			1	2		1		1		1	1	1
Scabies	1			1									
Scarlet Fever	1123	16	24	33	51	66	80	139	157	212	149	116	80
Smallpox	8	1				2	1	3	1				
Tetanus	3											2	1
Tinea Vesicolor	1			1									
Trachoma	38			1	2	14	1	7	3	4	1	4	1
Trichinosis	3									1		2	
Tuberculosis	1451	127	140	132	118	109	124	151	122	79	149	99	101
Typhoid Fever, Local Origin	118	8	13	14	10	10	5	12	9	7	9	12	9
Typhoid Fever, Outside Origin	87	9	13	15	15	5	4	5	5	4	4	2	6
Urticaria	1								1				
Uncinariasis	2					1	1						
Whooping Cough	619	12	16	40	51	25	26	73	95	116	64	75	26
*Diphtheria (Presidio)	42						33	2	5	2			
Diphtheria Carriers	589	72	13	9	5	33	32	71	41	177	77	32	27
	8542	387	345	387	478	633	648	915	1072	1373	851	885	568

TABLE 3

CASES AND DEATHS OF DISEASES DANGEROUS TO THE PUBLIC HEALTH, BY MONTHS—CALENDAR YEAR 1915.

This table includes *All* cases (with their deaths) irrespective of whether cases were transported into the city from elsewhere, or were contracted outside of the city.

Months 1915	Diphtheria		Scarlet Fever		Typhoid Fever		Measles		Whooping Cough		Smallpox		Ophthalmia Neonatorum		Poliomyelitis		Tuberculosis					
																	Pulmonary and Miliary		Meningeal		Other Forms	
	Cases	Deaths	Cases	Deaths	Cases†	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases*	Deaths	Cases*	Deaths
January	162	15	30	0	7	3	581	4	36	6	0	0	0	0	1	0	153	89	*	6	*	7
February	156	17	26	0	17	3	569	8	20	0	0	0	0	0	3	0	117	64	*	12	*	5
March	185	11	42	2	19	5	331	5	44	3	0	0	0	0	0	0	182	75	*	7	*	4
April	129	8	20	1	12	3	138	2	50	1	2	0	0	0	0	0	142	71	*	5	*	2
May	175	19	21	0	17	4	39	0	42	0	0	0	0	0	0	0	93	74	*	4	*	4
June	149	15	17	0	12	5	23	0	12	3	1	0	0	0	0	0	155	51	*	8	*	4
July	87	7	16	0	17	3	10	0	12	1	1	0	0	0	1	0	127	55	*	7	*	3
August	57	3	24	0	26	4	8	0	16	0	0	0	0	0	0	0	140	52	*	6	*	3
September	34	3	33	1	29	5	7	0	40	0	0	0	0	0	1	0	132	57	*	6	*	2
October	39	3	51	0	25	3	8	0	51	2	0	0	0	0	0	0	118	66	*	7	*	3
November	101	6	66	0	15	1	2	0	25	3	2	0	0	0	1	0	109	65	*	5	*	6
December	116	6	80	0	9	4	7	0	26	2	1	0	0	0	2	0	124	74	*	6	*	4
Totals	1390	113	426	4	205	43	1723	19	374	21	7	0	0	0	9	0	1592	793	*	79	*	47

* Cases not reported.

† Includes 172 cases not local in origin.

TABLE 4.

CASES AND DEATHS FROM CERTAIN DISEASES. EACH YEAR FOR TEN YEARS.

This table includes *All* cases (with their deaths) irrespective of whether cases were transported into the city from elsewhere, or were contracted outside of the city.

Years (Calendar)	Diphtheria		Scarlet Fever		Typhoid Fever		Measles		Whooping Cough		Smallpox		Ophthalmia Neonatorum		Poliomyelitis		Tuberculosis					
																	Pulmonary and Miliary		Meningeal		Other Forms	
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases*	Deaths	Cases	Deaths	Cases	Deaths	Cases *	Deaths	Cases *	Deaths
†1906																						
1907	295	41	229	9	1279	228	1231	42	*	26	40	1	*	0	*	2	595	578	*	64	*	35
1908	664	90	246	5	363	107	910	24	*	24	298	4	*	0	*	1	765	729	*	58	*	54
1909	589	55	499	24	266	68	2115	25	*	48	134	1	*	0	*	0	1355	689	*	76	*	54
1910	521	37	504	10	345	64	1038	19	*	32	40	0	*	0	*	1	1510	706	*	57	*	37
1911	316	26	599	17	285	69	1212	15	433	28	15	0	*	0	14	2	1279	702	*	62	*	45
1912	326	28	192	1	336	58	451	47	309	26	106	1	*	0	20	2	1238	693	*	78	*	57
1913	379	27	305	16	316	73	410	5	487	16	38	0	*	0	5	1	1323	698	*	95	*	80
1914	796	85	414	4	224	58	4414	46	1297	60	52	0	*	0	18	1	1418	793	*	74	*	57
1915	1390	113	426	3	205	43	1723	19	374	21	7	0	*	0	9	0	1592	793	*	179	*	57

† Records destroyed.

* Cases not reported.

TABLE 5

BACTERIOLOGICAL EXAMINATIONS.

DIPHTHERIA

	Primary				Secondary				Contact					School				Total
	Positive	Negative	No Growth	Doubtful	Positive	Negative	No Growth	Doubtful	Positive	Negative	No Growth	Suspicious	Doubtful	Positive	Negative	No Growth	Doubtful	
1915																		
July	89	232	1		288	713	8	2	27	198	3			109	2101			3771
August	42	199		1	129	367			2	90				26	145			1001
September	37	381	1		38	179	3		4	50				12	29			734
October	29	322	2		54	192	5	2	4	67				1	3			681
November	49	331	5	1	213	326	8	2	12	186	1			45	1457		2	2638
December	58	368	3	1	346	501	6	2	24	331				13	462		1	2116
1916																		
January	77	419	3	3	428	422	7	3	45	384	4			25	284		1	2105
February	64	440	9	4	552	637	18	2	46	406	5		1	7	288		1	2480
March	138	748	7	10	1014	935	40		82	657	4	1		85	1029	1	1	4752
April	85	632	4	2	915	1048	26	10	114	595	5			13	469	1	1	3920
May	88	748	4	4	490	943	17		42	444	2		1	1	148			2932
June	63	621	2	11	526	676	7	1	23	437	1			7	282			2657
Total	819	5441	41	37	4993	6939	145	24	425	3845	25	1	2	344	6697	2	7	29787

TABLE 5—Continued.

BACTERIOLOGICAL EXAMINATIONS.

	Tuberculosis		Typhoid					Rabies		
			Widals			Feces				
	Positive	Negative	Positive	Negative	Doubtful	Positive	Negative	Positive	Negative	Suspicious
1915.										
July	106	99	3	35	3		5		2	
August	110	166	6	35	12	1	4		3	1
September	93	157	6	33	4	1	7		1	
October	56	150	4	34	2	3	10		3	
November	83	152	3	24		1	18		1	
December	90	173	2	19	2	1	18	1	1	
1916										
January	55	167	2	23		1	24		2	
February	76	217	1	31		1	20		1	
March	116	220	7	17			17		1	
April	87	185	8	22	3	2	10			
May	99	205	6	29	1	1	8		3	1
June	72	119	4	27	2	8	22	†	2	
	1043	2010	52	329	29	20	163	1	20	2

† Human.

TABLE 5—Continued.

BACTERIOLOGICAL EXAMINATIONS—VENEREAL DISEASES.

	Wasserman Tests						Gonorrheal			Gonorrhoea			
	Blood			Spinal Fluid			Comp. Fix. Test						
	Positive	Negative	Doubtful	Positive	Negative	Doubtful	Positive	Negative	Doubtful	Positive	Negative	Doubtful	Suspicious
1915.													
July	5	65	1	2	5	1				3	49	2	
August	10	62	6	2	8	1				2	63	2	1
September	14	72	3	2	9		1	1		5	53	8	
October	16	80	1	7			4	2	2	8	35	3	
November	9	94	1	1	4		5		1	6	40	2	
December	13	92	3		5	2	9	2		2	54		
1916													
January	18	61		3	11		7			7	86	10	
February	13	72	4	4	7		3	3		9	89	4	
March	17	103	1	2	15		2	2		5	81	2	
April	7	80	1		11		1	2		4	68	2	
May	16	132	4	1	11		3	7	1	6	68		1
June	14	65		1	8		4	3		13	135	9	
	152	978	25	25	94	4	39	22	4	70	721	44	2

TABLE 5—Continued.

BACTERIOLOGICAL EXAMINATIONS.

RABIES.

1915—	Positive	Negative	Suspicious	*Patients Treated	Pasteur Treatments Administrd.
July		2			
August		3	1	2	45
September		1			5
October		3			
November		1			
December	1	1		1	39
1916—					
January		2		1	11
February		1			
March		1		1	15
April				1	21
May		3	1		17
June		2		1	24
	1	20	2	7	177

* Total treated to date 239.

TABLE No. 6.

REPORT OF ADMISSIONS TO ISOLATION HOSPITAL,

FISCAL YEAR 1915-16.

	1915						1916						Total
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	
Diphtheria	36	21	9	15	16	31	24	43	73	40	52	49	409
Diphtheria "carrier"	6	1	2		5	13	4	10	33	20	10	15	119
Scarlet Fever	3	5	5	6		9	12	13	28	33	22	12	148
Poliomyelitis					1		1					1	3
Measles	3	3	1	2					1	1	1		12
Parotitis	2			2									4
Pertussis			2				2		2	1	1		6
Varicella				1			2	2	3	1			9
Leprosy								1					1
Variola	1				1		3	1					6
Erysipelas	3	2		4	4	9	8	9	1	3	8	6	57
Cerebrospinal Meningitis					1				1			2	4
Bronchopneumonia				1									1
Scabies			1										1
Impetigo Contagiosa												1	1
Cellulitis						1							1
Trachoma					1						1		2
Gonorrheal Ophthalmia			1		1	1	1	1					5
Gonorrheal Vaginitis	1			1	2		3	3			2	4	16
Herpes					1								1
Tinea Versicolo			1										1

TABLE No. 6—Continued.

	Patients Admitted	Patients Discharged	Died	Cost per Patient Per Day	Hospital Days
1915.					
July	55	47	3	$1.435	1,659
August	32	37	0	2.18	1,216
September	22	15	1	3.26	833
October	32	49	3	2.58	963
November	33	25	3	2.395	1,204
December	64	48	3	1.36	1,691
1916.					
January	60	53	3	1.78	1,908
February	83	56	3	1.82	1,860
March	142	91	12	1.80	2,543
April	98	105	10	1.42	3,045
May	96	101	12	1.41	2,651
June	90	84	6	1.87	2,345
Totals	807	711	59	*	21,928

*Average cost per patient per day, $1.90.

TABLE No. 8.

FREE DIPHTHERITIC ANTITOXIN DISPENSED FISCAL YEAR 1915-1916.

Month	10,000 Units	7,500 Units	5,000 Units	4,000 Units	3,000 Units	2,000 Units	1,000 Units
1915.							
July	50		75			10	100
August	5		15				30
September	10		20				45
October	5						20
November	48		30				65
December	39	5	50				55
1916.							
January	60		40				88
February	10		5				2
March	30	5	90				160
April	21		23			25	30
May	55		35				75
June	15		15				10
	348	10	398	—	—	35	680

Total units dispensed 4,703,000.

TABLE 9.

ANNUAL REPORT, DIVISION OF SANITARY DISINFECTION.

	Totals	1915						1916					
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June
Fumigations—													
Diphtheria	1093	108	63	39	42	51	91	86	104	131	123	134	121
Scarlet Fever	974	18	17	28	40	44	72	66	116	153	183	141	96
Smallpox	10	2				2		5	1				
Tuberculosis	1011	82	58	86	88	84	92	99	107	75	77	91	72
Cerebro Spin. Meningitis	2												2
Typhoid Fever													
Glanders	37		3	5	4	2	2	2	7	3	2	1	6
Other Cases	9				3	2	2						2
Poliomyelitis	25	1	1	2	2	6	3	1		4	1	3	1
Total	3161	211	142	160	179	191	262	259	335	366	386	370	300
Rooms Fumigated	5,222	348	244	271	294	304	408	422	540	901	656	580	254
Cubic Feet Disinfected	10,332,600	631,900	399,100	400,200	478,600	520,400	788,200	878,300	1153,600	1296,200	1425,500	1304,900	1055700
Material Used—													
Formaldehyde, solid	5,567					235	457	567	778	890	965	871	804
Formalin (oz.)	3,083	8,090	5,034	5,379	5,856	1,776	684	864	780	1,108	568	416	258
Sulphur (lbs.)	829	136	38	148	200	35	28	61	54	81		44	4
Kresol Comp. (oz.)	32									32			
Chloride of Lime (lbs.)													
Crude Carbolic Acid (oz.)													
Petrie Dishes Placed	8					8							
Neko Compound	848		88	96	16				64				584

TABLE 10.

MORTALITY OF CHILDREN UNDER AGE OF 1 YEAR CLASSIFIED BY AGE PERIODS FOR CALENDAR YEAR.

Calendar Year 1915.	Ages												
	Total Deaths Under 1 Year	Under 1 Day	1-2 Days	2-3 Days	3 Days to 1 Week	1-2 Weeks	2-3 Weeks	3 Weeks to 1 Month	1-2 Months	2-3 Months	3-6 Months	6-9 Months	9-12 Months
January	54	8	3	.....	7	4	4	1	6	2	3	4	12
February	46	9	4	1	3	5	2	2	5	3	8	3	1
March	54	12	1	2	5	4	5	.....	5	4	5	7	4
April	42	12	1	1	1	3	2	5	3	3	7	2	2
May	44	14	4	.....	4	2	1	2	5	1	4	1	6
June	37	11	1	1	2	2	2	.....	2	2	7	4	3
July	41	13	3	1	1	1	2	2	2	1	4	5	6
August	35	9	4	1	2	2	1	.....	3	2	3	4	4
September	43	13	3	.....	3	3	3	4	4	3	2	3	2
October	48	10	2	1	1	1	3	.....	3	8	10	6	3
November	42	13	.....	2	.....	3	3	1	6	1	7	4	2
December	47	16	7	1	2	3	.....	4	3	2	5	4	.....
Totals	533	140	33	11	31	33	28	21	47	32	65	47	45
MALE	314	74	21	5	19	21	16	13	32	25	38	29	21
FEMALE	219	66	12	6	12	12	12	8	15	7	27	18	24
Totals	533	140	33	11	31	33	28	21	47	32	65	47	45
WHITE	491	129	30	11	30	33	25	20	43	29	59	39	43
BLACK	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....
CHINESE	19	7	1	.....	.....	.....	2	.....	2	1	2	3	1
JAPANESE	22	4	2	.....	1	.....	1	1	2	2	3	5	1
Totals	533	140	33	11	31	33	28	21	47	32	65	47	45

	CAUSES OF DEATH (International Classification.)													
6	Measles	3										1		2
8	Whooping Cough	9								3	1	2	1	2
9	Diphtheria	8										1	2	5
10	Influenza	1									1			
20	Pyemia	4					1			3				
28	Tuberculosis of Lungs	3					1						1	1
29	Acute Miliary Tuberculosis	3										2		1
30	Tuberculous Meningitis	6									1	1	4	
31	Abdominal Tuberculosis	3										1	1	1
34	Tuberculosis other organs	1										1		
36	Rachitis	4							1	1		1		1
37	Syphilis (congenital)	19	2	2			3	1	1	2	4	2	1	1
54	Anemia	1											1	
61	Simple Meningitis	2												2
61b	Epidemic Cerebro Spinal Meningitis	2						1						1
71	Convulsions of Infants	3	1							1				1
79	Organic Heart Disease	2								1		1		
89	Acute Bronchitis	11					1		2	1			6	1
91	Broncho Pneumonia	62				1	6	4	4	12	3	16	10	6
92	Lobar Pneumonia	23	1				1	2		1	3	3	6	6
103	Gastritis	5					1	1	1	1		1		
104	Diarrhea	7					1			1	1	2	1	1
	Enteritis	8					1		1		1	4		1
	Entero-Colitis	4					1				1	1		1
	Gastro-Enteritis	44				3	4	2	1	5	6	10	7	6
	Ileo-Colitis	2								1			1	
	Cholera Infantum	4									2	2		
109	Obstruction of Intestines	9					1		1	1	1	2	2	1
119	Acute Nephritis	5					1				1	1	1	1
150a	Hydrocephalus	6				1				1		2	1	1
150b	Congenital Malformation of Heart	24	13	2	1	4		1	2			1		
150c	Other Congenital Malformations													
	Anencephalus	1	1											
	Cleft Palate	1		1										
	Enlarged Thymus	1										1		
	Pyloric Stenosis	7							1	1	2	2	1	
	Spina Bifida	3	1					1				1		
	Malformation Intestines	1		1										
151a	Premature Birth	156	93	16	4	13	8	11	3	7	1			
151b	Congenital Debility	8		1	2		1			1	2	1		

TABLE 10—Continued.

MORTALITY OF CHILDREN UNDER AGE OF 1 YEAR CLASSIFIED BY AGE PERIODS FOR CALENDAR YEAR.

Calendar Year 1915.	Ages												
	Total Deaths Under 1 Year	Under 1 Day	1-2 Days	2-3 Days	3 Days to 1 Week	1-2 Weeks	2-3 Weeks	3 Weeks to 1 Month	1-2 Months	2-3 Months	3-6 Months	6-9 Months	9-12 Months
152a Other Diseases Early Infancy													
Atelectasis Neonatorum	23	14	5	1	2	.....	.....	.....	1	.....	.....	.....	.....
Instrumental Delivery	15	5	4	2	2	1	.....	.....	1	.....	.....		
Hemorrhage Umbilicus	3	.....	.....	.....	1	1	1	.....	.....	.....	.....		
Asphyxia Neonatorum	8	7	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Melena Neonatorum	2	.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....
Difficult Labor	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Icterus Neonatorum	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
Hemorrhagica Neonatorum	4	.....	.....	.....	2	1	.....	1	.....	.....	.....	.....	.....
153 Exposure	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
164a Accidental Poisoning	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
164b Ptomaine Poisoning	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
167 Burns (Accidental)	2	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1
168 Suffocation—Under Bedclothes	2	.....	.....	.....	.....	.....	.....	1	.....	.....	1	.....	.....
Inspiration of Vomit	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....
Inspiration of Milk	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
172 Fall from Go-cart	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Totals	533	140	33	11	31	33	28	21	47	32	65	47	45

TABLE 11

STATISTICAL REPORT OF SCHOOL HEALTH INSPECTION FOR THE FISCAL YEAR ENDED JUNE 30, 1916

The exclusions from school for communicable diseases (including "contacts") were as follows:

Chickenpox	704
Chorea	5
Diphtheria	379
Measles	48
Mumps	1,139
Scarlet Fever	530
Tonsillitis (Acute)	59
Trachoma	22
Whooping Cough	391
Contacts (all)	3,267
Total	6,544

General examinations by nurses during school hours	212,995
Home visits by nurses	11,108
Dressings by nurses	5,545
Treatments by nurses	8,855
Physical examinations by medical inspectors	9,555
Defect notices issued to parents	1,644

The following figures show the results of defect notices issued during the year and those previously issued:

Treated by operation	657
Treated without operation	142
Vision corrected by glasses	221
Referred to clinics	199
Referred to societies	7

TABLE 12

ANNUAL REPORT, DIVISION OF FOOD INSPECTION.

INSPECTIONS MADE.

	Total	1915						1916					
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June
Bakeries	17		1	6	3	1					2		4
Butchershops	470	41	15	27	49	54	51	54	49	66	24	22	18
Candy Factories and Stores	150	7	7	3	48	6	3	1	6	6		2	61
Commission Houses	911	69	21	195	1	22	5	3	29	107	142	204	113
Delicatessen Stores	100	4	9	11	6	13	12	12	5	18	6	1	3
Fruit Stores	479	24	13	31	51	32	50	39	34	54	20	98	33
Grocery Stores	520	7	27	55	52	37	59	34	29	46	28	41	105
Hotels and Restaurants	355	51	40	42	46	30	27	39	43	13	17	4	3
Markets	206	12	16	6	31	10	10	31	14	46	9	16	5
Milk Depots	32				5	23		2					2
Peddler Wagons	41	7	5	2						3	17	7	
R. R. Depots and Wharves	99	14	5	17		5	2	8	5			31	12
Warehouses	249	3					33	29	11	33	31	74	35
Miscellaneous	752	25	31	76	62	51	112	101		123	41	64	66
Baths	15								15				
Reservoirs	37								37				
Total	4433	264	190	471	354	284	364	353	277	515	337	564	460

CONDEMNATIONS AND SEIZURES.

Fruits—323 boxes, 2,890 lbs.
Vegetables and Cereals—4,053 sacks, 460 lbs., 9 packages, 143 boxes, 7 crates.
Canned and Bottled Goods, Dried Fruits—6,791 bottle, 8,461 cans, 1,233 lbs., 379 gals., 658 packages, 176 bbls.
Poultry and Game—46 bbls. fish, 12 hare, 7 geese, 4 chickens.
Miscellaneous—150 enchiladas, 40 lbs. butter.
Food and Drink Samples collected for analysis, 667.
Nuisances abated by written notice, 243.

RESTAURANT INSPECTION

First Inspections—	
Restaurants	182
Miscellaneous Food Stores	168
Complaints	126
Total	476
Reinspections	1,834
Nuisances Abated	139
Restaurants Scored	68

TABLE 13

ANNUAL REPORT DIVISION DAIRY INSPECTION

	Totals	1915						1916					
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June
Inspections.													
*Dairies Inspected in San Francisco County	139	9	41	6	8	7	4	10	8		28	13	5
Daries Inspected in other counties	1257	104	66	121	96	123	108	96	81	105	119	124	114
*Dairy Depots	2186	189	175	316	257	229	206	240	119	152	95	98	110
*Miscellaneous Milk Venders	1439	142	150	190	194	164	156	163	58	76	58	47	41
Total	5021	444	432	633	555	523	474	509	266	333	300	282	270
Cows	162792	16423	11803	17125	11500	13219	15225	12220	10703	12736	14102	14271	13465
Cows Placed Under Quarantine	521	43	43	35	32	39	65	29	37	45	49	67	37
Cows Condemned and Killed	172	12	10	10	7	19	25	6	13	25	13	23	9
Milk Cans Condemned	1081	136	86	205	75	171	43	102	76	39	46	59	43
Samples of Water Taken for Analysis	27		19	8									

* These inspections covered by two lay inspectors in the City, remainder of report shows work performed by Dairy Veterinarians in the field.

TABLE 14

ANNUAL REPORT, DIVISION OF MILK INSPECTION

	Total	1915						1916					
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June
Samples Taken From													
Milk Wagons	429	7	33	38	29	37	10	107	67	30	34	19	18
Depot and Dairies	14	1				9							4
R. R. Depots and Wharves	2329	221	26	164	133	198	314	118	98	130	365	237	325
Groceries	5			2			1					1	1
Delicatessen Stores													
Hotels and Restaurants	182	2	6	103					24	5	41	1	
Bakeries	1						1						
Miscellaneous													
Total	2960	231	65	307	162	244	326	225	189	165	440	258	348

TABLE 15.

MILK BELOW STANDARD

Date	Ref. Read	Milk Fat	Total Solids	Solids Not Fat	Below Standard. Milk Fat	Below Standard. Solids Not Fat	Added Substance	Disposition
1915								
July 1	42.3	3.0	11.81	8.81	.4			
" 1	41.7	3.0	11.62	8.62	.4			
" 1	39.5	3.6	11.63	8.03			Water 10%	Arrest
Aug. 15	42.8	1.8	10.77	8.97	1.6			Warned
Sept. 3	39.3	3.7	11.80	8.10		.40	10% water	Arrested
" 8	42.0	3.2						Warned
" 13	37.2	3.2	10.30	7.10	0.2	1.40	20% water	Arrested
" 13	39.1	3.4	11.11	7.71		.79	10% water	Arrested
" 13	39.4	3.3	11.20	7.90	0.1	.60	10% water	Arrested
" 13	38.2	3.3	10.71	7.41	0.1	1.09	20% water	Arrested
" 13	38.0	3.4	10.87	7.47		1.03	20% water	Arrested
" 13	41.5	2.6	11.32	8.72	.8			Arrested
" 13	39.1	3.5	11.24	7.74		.76	10% water	Arrested
" 13	38.0	3.4	10.83	7.43		1.07	20% water	Arrested
" 13	39.3	3.4	11.08	7.68		.82	10% water	Arrested
" 13	38.7	3.3	10.89	7.59	.1	.91	15% water	Arrested
" 13	39.7	3.4	11.73	8.33		.17	10% water	Arrested
" 13	42.2	2.7	11.94	9.24	.7			Arrested
" 13	41.0	2.1	10.61	8.51	1.3			Arrested
" 13	39.5	3.2	11.66	8.46	0.2	.04		Warned
" 13	41.0	3.1	11.19	8.09	0.3			Warned
" 13	40.0	3.1	11.09	7.99	0.3	.51	10% water	Arrested
" 13	41.2	2.5	10.60	8.10	.9	.40		Arrested
" 13	37.2	1.9	8.71	6.81	1.5	1.69	20% water	Arrested
" 13	41.1	2.7	11.79	9.09	.7			Arrested

TABLE 15—Continued.

Date	Ref. Read	Milk Fat	Total Solids	Solids Not Fat	Below Standard. Milk Fat	Below Standard. Solids Not Fat	Added Substance	Disposition
1915								
Sept. 13	41.7	1.6	10.49	8.89	1.8			Arrested
" 13	40.1	3.0	11.29	8.29	0.4	.21	10% water	Arrested
" 13	40.0	3.2	11.76	8.56	0.2			Warned
" 23	42.0	3.0	11.99	8.99	.4			Warned
" 23	40.2	2.7	11.60	8.90	.7			Warned
Oct. 5	42.7	3.0	12.12	9.12	0.4			Warned
" 18	41.0	2.8	11.23	8.43	.6			Warned
" 18	42.4	3.1	12.02	8.92	.3			Warned
" 18	40.8	3.0	11.55	8.55	0.4			Arrested
Nov. 8	42.0	2.8	11.21	8.41	.6			Warned
" 30	39.6	3.4	11.79	8.39	.11		10% water	Arrested
" 30	38.2	4.2	11.65	7.45	1.05		10% water	Arrested
Dec. 1	39.8	3.8	11.50	7.70		.80	10% water	Arrested
" 2	39.7	3.4	11.39	7.99		.51	10% water	Arrested
" 2	39.5	4.1	12.01	7.91		.59	10% water	Arrested
" 2	39.5	3.6	11.25	7.65		.85	10% water	Arrested
" 7	42.4	2.6						Warned
" 9	42.0	2.5	11.76	9.26	.9			Warned
" 27	41.7	2.9	11.92	9.00	.5			Warned
" 28	39.1	3.4	11.42	8.02	.48		10% water	Arrested
" 28	39.0	3.4	10.95	7.55		.95	10% water	Arrested
" 28	35.2	2.8	9.68	6.88	.6	1.62	20% water	Arrested
1916								
Jan. 7	43.0	3.0	12.02	9.02	.4			Warned
" 18	42.3	3.1	12.12	9.02	.3			Warned
" 18	42.2	3.0	12.20	9.20	.4			Warned

"	18	39.0	3.1	11.05	7.95	.55		10% water	Arrested
"	21	37.0	3.2	10.22	7.02	1.48		20% water	Arrested
Feb.	19	39.9	3.6	11.84	8.24		.26	10% water	Arrested
"	19	37.9	3.3	10.63	7.33	.1	1.17	20% water	Arrested
"	19	39.6	3.5	11.78	8.28		.22	10% water	Arrested
"	28	43.0	2.7	11.72	9.02	.7			Warned
"	28	42.8	2.6	11.76	9.16	.8			Warned
"	28	42.7	3.0	11.94	8.94	.4			Warned
"	28	43.3	2.1	11.12	9.02	1.3			Warned
"	28	42.5	3.0	11.70	8.70	0.4			Warned
"	28	42.2	3.0	11.68	8.68	.4			Warned
Mch.	29	38.5	3.3	11.13	7.83	0.1	.67	10% water	Arrested
April	4	39.5	3.7	11.81	8.11		.39	10% water	Arrested
"	4	43.0	2.4	10.94	8.54	1.0			Warned
"	4	40.4	3.7	12.12	8.42		.08	Added water	Arrested
"	4	42.0	2.0	10.77	8.77	1.4			Warned
"	4	40.0	3.8	11.96	8.16		.34		Arrested
"	5	39.2	3.5	11.69	8.19		.31	10% water	Arrested
"	5	40.2	3.1	11.00	7.90	0.4	.60	Added water	Arrested
"	5	40.3	3.1	11.50	8.40	0.3	.10	Added water	Arrested
"	8	39.2	3.3	11.09	7.79	0.1	0.71	10% water	Arrested
"	8	39.1	3.2	11.05	7.85	0.2	0.65	10% water	Arrested
"	8	39.9	3.0	10.90	7.90	0.4	0.6	7% water	Arrested
"	8	39.3	3.2	11.12	7.92	0.2	0.58	7% water	Arrested
"	10	41.3	1.9	10.98	9.08	1.5			Warned
"	10	42.1	2.5	11.34	8.84	0.9			Warned
"	10	42.9	3.2	11.80	8.60	0.2			Warned
"	11	40.5	3.2	11.42	8.22	0.2	0.28		Arrested
"	11	41.0	3.3			0.1			Arrested
"	11	41.0	3.2	11.42	8.22	0.2	0.28		Arrested
"	11	41.2	3.1	11.36	8.26	0.3	0.24		Arrested
"	11	41.2	3.2	11.47	8.27	0.2	0.23		Arrested
"	11	41.3	3.1	11.37	8.27	0.3	0.23		Arrested
"	12	42.2	2.7	11.57	8.87	0.7			Warned

TABLE 15—Continued.

Date	Ref. Read	Milk Fat	Total Solids	Solids Not Fat	Below Standard. Milk Fat	Below Standard. Solids Not Fat	Added Substance	Disposition
1916								
April 12	42.5	3.1	12.64	9.54	0.3			Warned
" 12	42.7	3.2	11.99	8.79	0.2			Warned
" 24	42.2	3.2	11.91	8.71	0.2			Warned
" 24	41.9	3.2	11.84	8.64	0.2			Warned
" 25	42.4	1.9	10.98	9.08	1.5			Warned
" 25	42.2	2.6	11.46	8.86	0.8			Warned
" 25	41.2	3.0	11.68	8.68	0.4			Warned
May 8	42.3	2.1	11.15	9.05	1.3		Skimmed	Arrested
" 8	38.8	3.4	10.89	7.49		1.01	12% water	Arrested
" 9	41.8	3.2	12.04	8.84	0.2			Warned
" 9	42.5	3.1	12.04	8.94	0.3			Warned
" 9	41.9	3.2	11.95	8.75	0.2			Arrested
" 10	37.8	3.3	10.70	7.40	0.1	1.1	12% water	Arrested
" 10	40.2	3.3	11.64	8.34	0.1	0.16	Added water	Arrested
" 10	41.5	2.2	10.73	8.53	1.2		Skimmed	Warned
" 10	40.5	2.8	11.27	8.47	0.6	0.03		Warned
" 16	42.8	2.8	11.71	8.91	.6			Warned
" 16	42.7	2.9	11.32	8.42	.5	.08		Warned
" 17	43.4	2.9	12.05	9.15	0.5			Warned
" 26	42.1	3.0	11.70	8.70	0.4			Warned
" 26	40.0	3.4	11.85	8.45		.05		Warned
" 26	41.9	3.1	11.17	8.07	0.3	.43		Warned
June 1	43.0	2.8	12.03	9.23	0.6			Warned
" 8	40.3	3.2						Warned
" 8	41.5	3.2						Warned
" 13	42.6	2.9	12.03	9.13	0.5		Skimmed	Warned
" 13	41.5	3.2	12.22	9.02	0.2			Warned

"	13	39.7	3.4	11.51	8.11	0.39	5% water	Arrested
"	13	40.6	3.3	11.54	8.24	0.1	0.26 Added water	Arrested
"	13	40.0	3.2	11.37	8.17	0.2	0.33 Added water	Arrested
"	14	42.0	2.0	11.35	9.35	1.4	Skimmed	Arrested
"	14	41.6	2.9	11.43	8.53	0.5	Skimmed	Warned
"	14	41.8	3.0	12.07	9.07	0.4	Skimmed	Warned
"	26	41.4	2.3	11.38	9.08	1.1	Skimmed	Arrested
"	26	39.0	3.3	11.39	8.09	.1	.41 10% water	Arrested
"	26	39.4	3.6	11.86	8.26		.24 7% water	Arrested
"	26	39.7	3.5	11.29	7.79		.71 10% water	Arrested
"	26	40.1	3.3	11.62	8.32	.1	.18 5% water	Arrested
"	28	40.3	3.7	11.92	8.22		0.28 Added water	Warned
"	28	42.6	3.1	12.27	9.17	0.3		Warned
"	28	39.0	3.7	12.04	8.34		0.16 Added water	Arrested
"	28	40.5	3.8	12.09	8.29		0.21 Added water	Arrested
"	28	41.2	3.1	11.64	8.54	0.3		Arrested
"	28	41.8	3.1			0.3		Warned
"	30	39.70	3.35	11.72	8.37	0.05	0.13	Arrested

TABLE 15—Continued.

RESULTS OF ARRESTS AND PROSECUTIONS BY THE LABORATORY
ORDINANCE 660 (Regulating the handling and sale of milk)

Date of Arrest 1916	Date of Trial 1916	Disposition of Case
June 22	July 13	O. R. 30 days
June 11	July 16	$25.00
June 14	July 16	$25.00
June 14	July 16	$50.00
Sept. 13	Sept. 23	$25.00
Sept. 13	Sept. 23	$25.00
Sept. 13	Sept. 23	$25.00
Sept. 13	Sept. 23	$10.00
Sept. 13	Sept. 23	$25.00
Sept. 13	Sept. 23	Dismissed
Sept. 13	Oct. 1	O. R. 30 days
Sept. 13	Oct. 1	O. R. 30 days
Sept. 13	Oct. 1	$25.00
Sept. 13	Oct. 6	$10.00
Sept. 13	Oct. 6	$10.00
Sept. 13	Oct. 6	$10.00
Sept. 13	Oct. 1	$10.00
Sept. 13	Oct. 6	$10.00
Sept. 13	Oct. 1	$10.00
Sept. 13	Nov. 11	$25.00
Nov. 8	Dec. 8	O. R. 30 days
Nov. 8	Dec. 8	O. R. 30 days
Nov. 5	Dec. 10	O. R. 30 days
Nov. 5	Dec. 16	O. R. 30 days
Nov. 18	Dec. 16	O. R. 60 days
Dec. 2	Dec. 17	O. R. 30 days
Nov. 15	Dec. 17	O. R. 30 days
Dec. 2	Dec. 22	O. R. 30 days
Nov. 30	Dec. 22	$25.00
	1916	
Nov. 15	Jan. 6	$50.00
Dec. 2	Jan. 6	$50.00
Dec. 27	Jan. 16	O. R. 30 days
Dec. 28	Jan. 21	$25.00
Dec. 15	Jan. 26	Dismissed
Dec. 15	Jan. 26	Dismissed
Dec. 15	Jan. 26	Dismissed
1916		
Jan. 21	Feb. 11	$50.00
Feb. 2	Feb. 25	$25.00
Feb. 16	Mar. 14	$25.00
Feb. 16	Mar. 14	$25.00
Feb. 16	Mar. 14	$25.00
Feb. 16	Mar. 20	$10.00
Mar. 16	Mar. 23	O. R. 60 days
April 5	April 18	$25.00
April 4	April 18	O. R. 60 days
April 4	April 18	O. R. 60 days

TABLE 15—Continued

RESULTS OF ARRESTS AND PROSECUTIONS BY THE LABORATORY ORDINANCE 660 (Regulating the handling and sale of milk)—Continued

Date of Arrest 1916	Date of Trial 1916	Disposition of Case
April 4	April 18	O. R. 60 days
April 8	April 18	Dismissed
April 8	April 18	Dismissed
April 8	April 18	Dismissed
April 11	April 29	Dismissed
April 11	April 29	Dismissed
April 11	April 29	Dismissed
April 11	April 29	Dismissed
April 11	April 29	Dismissed
April 11	April 29	Dismissed
Mar. 29	April 18	O. R.
April 8	April 18	$10.00
May 8	May 24	$10.00
April 5	May 23	O. R. 30 days
May 8	May 23	O. R.

Total fines assessed $675.00. Average fine $23.27.
O. R.—Released upon own recognizance.

TABLE 16

MILK BACTERIAL COUNTS—AUGUST, 1915.

Bacteria per c.c.	Number of Samples Shippers	Number of Samples Wagons—Stores
Under 10,000	0	
10,000 to 50,000	14	
50,000 to 100,000	4	
100,000 to 250,000	7	
250,000 to 500,000	1	
500,000 to 1,000,000	0	
Over 1,000,000	0	
	26	

Rating for the month, Levy method, 74%.

MILK BACTERIAL COUNTS—SEPTEMBER.

Bacteria per c.c.	Number of Samples Shippers	Number of Samples Wagons—Stores
Under 10,000	3	
10,000 to 50,000	57	
50,000 to 100,000	28	
100,000 to 250,000	14	
250,000 to 500,000	11	
500,000 to 1,000,000	24	
Over 1,000,000	15	
	152	

Rating for the month, Levy method, 57%.

TABLE 16—Continued

MILK BACTERIAL COUNTS—OCTOBER.

Bacteria per c.c.	Number of Samples Shippers	Number of Samples Wagons—Stores
Under 10,000	1	
10,000 to 50,000	58	
50,000 to 100,000	28	
100,000 to 250,000	13	
250,000 to 500,000	8	
500,000 to 1,000,000	12	
Over 1,000,000	9	
	129	

Rating for the month, Levy method, 65%.

MILK BACTERIAL COUNTS—NOVEMBER.

Bacteria per c.c.	Number of Samples Shippers	Number of Samples Wagons—Stores
Under 10,000	44	1
10,000 to 50,000	44	3
50,000 to 100,000	32	4
100,000 to 250,000	20	
250,000 to 500,000	8	
500,000 to 1,000,000	11	
Over 1,000,000	4	
	163	8

Rating for the month, Levy Method, 74%.

MILK BACTERIAL COUNTS— DECEMBER.

Bacteria per c.c.	Number of Samples Shippers	Number of Samples Wagons—Stores
Under 10,000	1	
10,000 to 50,000	172	3
50,000 to 100,000	62	2
100,000 to 250,000	40	3
250,000 to 500,000	15	2
500,000 to 1,000,000	14	
Over 1,000,000	1	
	305	10

Rating for the month, Levy method, 74%.

MILK BACTERIAL COUNTS—JANUARY, 1916.

Bacteria per c.c.	Number of Samples Shippers	Number of Samples Wagons—Stores
Under 10,000	....	
10,000 to 50,000	83	64
50,000 to 100,000	13	25
100,000 to 250,000	6	13
250,000 to 500,000	7	4
500,000 to 1,000,000	7	
Over 1,000,000	....	
	116	106

Rating for the month, Levy method, 77%.

TABLE 16—Continued

MILK BACTERIAL COUNTS—FEBRUARY.

Bacteria per c.c.	Number of Samples Shippers	Number of Samples Wagons—Stores
Under 10,000	----	
10,000 to 50,000	50	32
50,000 to 100,000	19	17
100,000 to 250,000	16	12
250,000 to 500,000	4	2
500,000 to 1,000,000	8	4
Over 1,000,000	2	
	99	67

Rating for the month, Levy method, 69.5%.

MILK BACTERIAL COUNTS—MARCH.

Bacteria per c.c.	Number of Samples Shippers	Number of Samples Wagons—Stores
Under 10,000	----	
10,000 to 50,000	45	10
50,000 to 100,000	10	11
100,000 to 250,000	11	5
250,000 to 500,000	1	2
500,000 to 1,000,000	7	2
Over 1,000,000	3	
	77	30

Rating for the month, Levy method, 70.6%.

MILK BACTERIAL COUNTS—APRIL.

Bacteria per c.c.	Number of Samples Shippers	Number of Samples Wagons—Stores
Under 10,000	----	
10,000 to 50,000	162	23
50,000 to 100,000	65	11
100,000 to 250,000	41	4
250,000 to 500,000	22	2
500,000 to 1,000,000	49	12
Over 1,000,000	3	
	342	52

Rating for the month, Levy method, 65.6%.

MILK BACTERIAL COUNTS—MAY.

Bacteria per c.c.	Number of Samples Shippers	Number of Samples Wagons—Stores
Under 10,000	1	
10,000 to 50,000	105	9
50,000 to 100,000	56	7
100,000 to 250,000	17	3
250,000 to 500,000	10	
500,000 to 1,000,000	15	
Over 1,000,000	5	
	209	19

Rating for the month, Levy method, 71.5%.

TABLE 16—Continued

MILK BACTERIAL COUNTS—JUNE.

Bacteria per c.c.	Number of Samples Shippers	Number of Samples Wagons—Stores
Under 10,000	----	
10,000 to 50,000	159	6
50,000 to 100,000	48	
100,000 to 250,000	36	5
250,000 to 500,000	19	6
500,000 to 1,000,000	23	
Over 1,000,000	6	
	291	17

Rating for the month, Levy method, 70%.

BACTERIAL INDEX

The Bacterial Index of the milk supply of the City as determined by the Levy method recommended by the American Public Health Association was 69.9 per cent for the year 1915-16 as shown below:

	No. of Samples	Rating Figure	Product
Under 10,000	51	100	5,100
10,000 to 50,000	1,099	90	98,910
50,000 to 100,000	447	75	33,525
100,000 to 250,000	267	50	13,350
250,000 to 500,000	118	20	2,360
500,000 to 1,000,000	188	10	1,880
Over 1,000,000	48	0	0
	2,218		155,125

$$\frac{155,125}{2,218} = 69.9 \text{ per cent.}$$

TABLE 17

CHEMICAL LABORATORY.

GENERAL SUMMARY OF ANALYSES MADE DURING THE FISCAL YEAR ENDED JUNE 30, 1916.

Allspice	3	Mace	1
Almonds	1	Manure	1
Apricots—dried	1	Marshmallow creme	1
Bacon	1	Mayonnaise	1
Barley	1	Meat	2
Beans	8	Meat—chopped	26
Beer	48	Meat—mince	3
Blanket	2	Meat—sausage	13
Boiler compound	1	Milk	3,055
Boiler scale	2	Milk—condensed	6
Boiler water	1	Molasses	5
Bouillon	1	Mustard	1
Bread	2	Noodles	1
Butter	14	Olives	2
Capsules	1	Olive oil	8
Catsup	5	Peaches—dried	2
Chestnuts	1	Peas	1
Chili con carne	6	Pepper	6
Chocolate	1	Pills	1
Clams	1	Pineapple juice	1
Cloves	1	Popcorn	1
Coal tar color	2	Preservative	4
Coffee	2	Prunes—dried	1
Cold cream	1	Raisins	1
Corn	1	Raspberries	1
Corn beef	1	Rice	4
Crab	2	Rennet	1
Crackers	1	Salad oil	1
Cream	46	Salmon	2
Dates	1	Salt petre	4
Dish	1	Sauce	3
Dye	1	Scrapple	1
Eggs	2	Soap	5
Egg meat	11	Soda	1
Figs	1	Soda waters	8
Flour	40	Soup	2
Frijoles	1	Spaghetti	5
Fruit—dried	1	Sugar	1
Gas	1	Tamale	1
Gasoline	3	Tomatoes	1
Groats	1	Tomato puree	3
Gum	1	Toxicological	31
Herbicide	1	Tuna	1
Hominy	3	Unknown substance	1
Ice cream	23	Urine	48
Iceine	1	Vanilla extract	1
Iodine	25	Vermicelli	1
Jam	3	Walnuts	1
Jelly	4	Water	353
Lard	1	Wheat nuts	1
Lemon juice	1	Wine	11
Lemon oil	1		
Liniment	1		3,926

TABLE 19

SPRING VALLEY WATER CO.—CLARENDON HEIGHTS—FISCAL YEAR 1915-1916.

Date Received	Color	Total Solids	Loss Ignition	Fixed Residue	Chlorine	Nitrogen as				Oxygen Consumed	On Ignition	Bacteria Per CC Agar Room Temp.	Bacteria Per CC Agar 370	REMARKS.
						Nitrites	Nitrates	Free Ammonia	Albuminoid Ammonia					
7-14-15		283	35	248	27	.0003	.200	.2420	.2553	1	Bl.	350	100	B. Coli present in 5cc
7-29-15	Clear	303	51	252	26	Trace	Trace	.068	.116	1	N. B.	70	60	B. Coli present in 10cc
8-25-15	Clear	307	44	263	30	.003	.600	.0741	.0871	3	B. S.	240	80	B. Coli present in 5cc
9-29-15	Clear	302	36	266	25	Trace	.800	.0111	.0793	1	N. B.	200	180	B. Coli absent in 10cc
10-25-15	Clear	306	46	260	26	.002	.600	.0260	.0585	1	N. B.	460	300	B. Coli present in 10cc
11-24-15	Clear	305	31	274	25	.001	.800	.0195	.0312	1	N. B.	28	50	B. Coli absent in 10cc
12-22-15	Turbid	300	50	250	24	.0005	.800	.0455	.0702	1	Bl. S.	320	150	B. Coli present in 5cc
1-14-16	Turbid, very bad	302	79	223	24	None	.780	.1482	.2262	3	Bl.	280	200	B. Coli present in 5cc
2-8-16	Turbid	276	40	236	21	Trace	.900	.0390	.1820	1	N. B.	100	30	B. Coli present in 10cc
2-25-16		221	79	142	22	.0005	.600	.0481	.1144	1	Bl.	260	10	B. Coli absent in 10cc
3-14-16	Turbid	200	30	170	22	Trace	.600	.0403	.0741	2	Bl.	250	20	B. Coli absent in 10cc
3-18-16		230	49	181	22	None	Trace	.0416	.2145	1	Bl.	700	12	B. Coli absent in 10cc
4-19-16	Clear	248	63	185	22	None	Trace	.0346	.1826	2	B.	180	200	B. Coli absent in 10cc
5-14-16	Turbid	237	23	214	22	None	Trace	.1170	.1235	2	N. B.	80	60	B. Coli absent in 10cc
5-25-16												250	40	B. Coli present in 10cc
6-7-16												28	40	B. Coli absent in 10cc
6-20-16												180	60	B. Coli present in 10cc

SPRING VALLEY WATER CO.—CLAY ST. TANK—FISCAL YEAR 1915-1916.

7-14-15		252	36	216	22	Trace	.130	.0598	.1144	2	Bl.	200	60	B. Coli absent in 10cc
7-29-15	Clear	420	37	383	23	Trace	.600	.032	.060	1	Bl.	50	29	B. Coli present in 10cc
8-25-15	Clear	208	57	151	29	Trace	None	.0026	.0429	1	B. S.	2400	600	B. Coli present in 1cc
9-29-15	Clear	286	29	257	26	None	.600	.0117	.0663	1	N. B.	5000	1200	B. Coli present in 1cc
10-25-15	Clear	309	39	270	26	.002	.500	.0403	.1495	1.0	N. B.	300	50	B. Coli absent in 10cc

11-24-15	Clear	291	28	263	26	.002	.700	.0273	.0676	1	N. B.	420	10	B. Coli absent in 10cc
12-22-15	Clear	313	74	239	26	.0005	.600	.0390	.0663	1	N. B.	100	12	B. Coli present in 10cc
1-14-16	Turbid	267	70	197	23	Trace	.600	.1053	.1430	3	Bl.	80	60	B. Coli present in 5cc
2-8-16	Turbid	241	66	175	22	None	.700	.0273	.0715	2	Bl.	260	50	B. Coli absent in 10cc
2-25-16		222	60	162	22	Trace	.700	.0221	.1079	7	Bl.	68	30	B. Coli absent in 10cc
3-14-16		220	34	186	22	None	.600	.0351	.1456	2	Bl.	88	50	B. Coli absent in 10cc
3-28-16	Clear	220	30	190	22	Trace	0.900	.0442	.0884	1	Bl.	100	16	B. Coli present in 10cc
4-19-16	Clear	237	52	185	24	Trace	Trace	.0133	.0960	2	B.	46	10	B. Coli present in 10cc
5-4-16	Clear	239	50	189	23	Trace	Trace	.0390	.0533	2	B.	38	20	B. Coli absent in 10cc
5-25-16												30	25	B. Coli present in 10cc
6-6-16												12	30	B. Coli absent in 10cc
6-20-16												40	100	B. Coli absent in 10cc

SPRING VALLEY WATER CO.—COLLEGE HILL—FISCAL YEAR 1915-1916.

7-14-15		204	36	168	26	None	Trace	.03436	.1596	3	Bl.	300	120	B. Coli absent in 10cc
7-28-15	Turbid	145	36	109	27	Trace	None	.008	.132	2	Bl.	1000	400	B. Coli present in 10cc
8-28-15	Clear	146	50	96	29	None	Trace	.0013	.1235	4	Bl.	640	75	B. Coli absent in 10cc
9-27-15	Turbid	190	36	154	26	.002	None	.0104	.1586	3	Bl.	250	100	B. Coli absent in 10cc
10-29-15	Clear	139	20	119	26	Trace	None	.0702	.1651	2	Bl.	240	120	B. Coli present in 10cc
11-23-15	Clear	134	14	120	26	.001	None	.0117	.1885	2	Bl.	48	180	B. Coli present in 5cc
12-22-15	Turbid	148	18	130	25	.0005	None	.013	.1495	3	Bl.	32	20	B. Coli absent in 10cc
1-14-16	Turbid	201	52	149	23	Trace	.200	.0455	.0806	3	B.	30	80	B. Coli present in 10cc
2-7-16	Turbid	227	48	179	21	Trace	1.28	.0585	.1066	2	B. S.	800	68	B. Coli present in 5cc
2-23-16		231	25	206	32	Trace	Trace	.0182	.0442	1	Bl.	1000	20	B. Coli absent in 10cc
3-13-16	Turbid	233	25	208	22	Trace	Trace	.0630	.1130	1	Bl.	150	50	B. Coli absent in 10cc
3-27-16	Turbid	225	20	205	21	Trace	Trace	.0039	.1716	1	Bl.	200	24	B. Coli present in 10cc
4-17-16	Turbid	218	28	190	22	Trace	Trace	.0440	.1480	1	B.	26	14	B. Coli absent in 10cc
5-3-16	Slightly turbid	146	33	13	23	None	Trace	.0611	.3252	3	B.	160	50	B. Coli present in 10cc
5-25-16	Turbid											75	40	B. Coli absent in 10cc
6-5-16												18	20	B. Coli absent in 10cc
6-19-16	Turbid yellowish	149	43	106	23	Trace	Trace	.0053	.1266	3	B.	240	300	B. Coli absent in 10cc

TABLE 19—Continued

SPRING VALLEY WATER COMPANY—FRANCISCO STREET RESERVOIR—FISCAL YEAR 1915-1916.

Date Received	Color	Total Solids	Loss Ignition	Fixed Residue	Chlorine	Nitrogen as Nitrites	Nitrogen as Nitrates	Nitrogen as Free Ammonia	Nitrogen as Albuminoid Ammonia	Oxygen Consumed	On Ignition	Bacteria Per CC Agar Room Temp.	Bacteria Per CC Agar 37o	REMARKS.
7-14-15		204	52	152	32	Trace	Trace	.0133	.1675	2	Bl.	860	700	B. Coli present in 1cc
7-29-15	Clear	212	27	185	30	Trace	Trace	.036	.240	3	Bl.	100	60	B. Coli present in 5cc
8-25-15	Clear	193	58	135	36	.001	.600	.0013	.1586	2	Bl.	250	200	B. Coli present in 1cc
9-29-15	Clear	291	48	243	24	.002	.700	.0572	.1456	1	B. S.	620	500	B. Coli present in 10cc
10-25-15	Clear	301	31	270	27	.001	.500	.091	.182	1	N. B.	500	60	B. Coli present in 10cc
11-24-15	Clear	302	37	265	26	.001	.900	.0364	.0975	1	N. B.	480	50	B. Coli absent in 10cc
12-22-15	Clear	300	70	230	26	.0005	.400	.0312	.1001	1	N. B.	20	46	B. Coli absent in 10cc
1-14-16	Turbid	242	61	181	22	None	.600	.0130	.1326	3	Bl.	210	140	B. Coli present in 5cc
2-8-16	Turbid	210	46	164	22	None	.500	.0455	.0806	2	Bl.	1000	100	B. Coli present in 10cc
2-25-16		218	68	150	23	Trace	Trace	.0481	.1222	2	Bl.	800	130	B. Coli absent in 10cc
3-14-16		215	47	168	22	None	.400	.0390	.0650	2	Bl.	200	24	B. Coli present in 10cc
3-28-16	Turbid	235	35	200	22	Trace	11.300	.0091	.1170	1	Bl.	800	200	B. Coli absent in 10cc
4-19-16	Clear	225	33	192	24	Trace	Trace	.0080	.1586	2	B.	76	30	B. Coli absent in 10cc
5-4-16	Clear	273	38	235	23	Trace	Trace	.0520	.1691	2	B.	2400	1000	B. Coli present in 10cc
5-25-16												500	150	B. Coli present in 10cc
6-7-16												12	20	B. Coli absent in 10cc
6-20-16												150	18	B. Coli absent in 10cc

SPRING VALLEY WATER CO.—LOMBARD ST. RESERVOIR—FISCAL YEAR 1915-1916.

7-14-15		192	45	147	32	Trace	Trace	.0106	.0878	2	Bl.	300	110	B. Coli present in 10cc
7-29-15		183	30	153	32	Trace	Trace	.056	.108	3	Bl.	360	400	B. Coli present in 5cc
8-25-15	Clear	284	59	225	36	.002	None	.0143	.1365	6	Bl.	360	200	B. Coli present in 1cc
9-29-15	Clear	202	36	166	37	Trace	Trace	.0321	.1495	2	Bl.	11500	2400	B. Coli present in 5cc
10-25-15	Clear	204	20	184	35	.001	None	.1885	.1950	2	B. S.	1000	600	B. Coli present in 5cc

11-24-15	Clear	212	28	184	38	.002	None	.0494	.1625	2	Bl.	640	24	B. Coli absent in 10cc
12-22-15	Turbid	217	54	163	28	.0005	Trace	.0585	.0767	2	Bl.	380	30	B. Coli present in 10cc
1-14-16		260	57	203	23	None	.250	.0108	.1820	3	Bl.	1000	80	B. Coli present in 10cc
2-8-16	Turbid	226	45	181	31	Trace	.500	.0520	.1846	2	Bl.	700	40	B. Coli present in 10cc
2-25-16		214	80	134	27	Trace	Trace	.0130	.0910	2	Bl.	600	26	B. Coli absent in 10cc
3-14-16		210	35	175	22	None	.600	.0160	.0572	2	Bl.	160	100	B. Coli absent in 10cc
3-28-16		225	26	199	22	None	Trace	.0078	.1391	1	Bl.	660	500	B. Coli absent in 10cc
4-19-16	Clear	222	33	189	24	None	Trace	.0120	.1453	2	B.	58	40	B. Coli absent in 10cc
5-4-16	Turbid	203	43	160	28	None	Trace	.0195	.1495	3	B.	12	20	B. Coli absent in 10cc
5-25-16												250	50	B. Coli present in 5cc
6-7-16												20	20	B. Coli absent in 10cc
6-20-16												250	30	B. Coli absent in 10cc

SPRING VALLEY WATER CO.—POTRERO HEIGHTS—FISCAL YEAR 1915-1916.

7-14-15	Clear	277	36	241	26	Trace	.130	.0519	.1144	2	Bl.	400	600	B. Coli absent in 10cc
7-28-15	Clear	298	43	255	27	.002	.400	.016	.102	1	N. B.	400	1000	B. Coli present in 1cc
8-25-15	Clear	285	60	225	31	.002	Trace	.028	.065	2	B. S.	200	120	B. Coli present in 1cc
9-27-15	Turbid	305	74	231	23	.001	.800	.0052	.2083	2	Bl.	340	150	B. Coli present in 10cc
10-25-15	Clear	298	43	255	26	.001	.600	.1755	.338	1	N. B.	800	1200	B. Coli present in 10cc
11-23-15	Clear	248	78	170	29.5	.001	.500	.0338	.0260	1	Bl.	78	60	B. Coli present in 10cc
12-22-15	Turbid	291	30	261	24.5	.0005	.600	.0091	.1235	2	N. B.	80	50	B. Coli present in 5cc
1-14-16	Turbid	217	58	159	20	Trace	.400	.0455	.1469	3	B.	1000	30	B. Coli present in 5cc
2-7-16	Turbid, bad color	256	68	188	22	None	.88	.0351	.1321	2	B.	50	24	B. Coli present in 10cc
2-23-16		234	32	202	22	Trace	.350	.0546	.1339	1	Bl.	100	30	B. Coli absent in 10cc
3-15-16	Clear	205	40	165	22	Trace	Trace	.0325	.1066	2	Bl.	120	80	B. Coli absent in 10cc
3-27-16	Turbid	225	35	180	22	.001	Trace	.0156	.1765	2	Bl.	7000	15000	B. Coli present in 1cc
4-17-16	Clear	219	30	189	22	.001	Trace	.0133	.1533	2	B.	58	40	B. Coli absent in 10cc
5-5-16	Turbid	271	51	220	22	Trace	0.5	.0260	.1365	4	B.	300	80	B. Coli absent in 10cc
5-25-16												6000	480	B. Coli present in 5cc
6-5-16												240	100	B. Coli absent in 10cc
6-19-16	Turbid, yellow....	274	57	217	24	Trace	Trace	.0093	.1000	2	B.	1500	20	B. Coli absent in 10cc

TABLE 19—Continued

SPRING VALLEY WATER CO.—PRESIDIO HEIGHTS—FISCAL YEAR 1915-1916.

Date Received	Color	Total Solids	Loss Ignition	Fixed Residue	Chlorine	Nitrogen as				Oxygen Consumed	On Ignition	Bacteria Per CC Agar Room Temp.	Bacteria Per CC Agar 370	REMARKS.
						Nitrites	Nitrates	Free Ammonia	Albuminoid Ammonia					
7-14-15	Clear	277	43	234	26	Trace	.180	.0080	.0798	2	Bl.	250	60	B. Coli present in 5cc
7-29-15	Clear	289	42	247	35	Trace	.500	.010	.060	1	Bl. S.	120	100	B. Coli present in 5cc
8-25-15	Clear	306	63	243	28	Trace	.600	.0312	.0598	5	B. S.	5700	600	B. Coli absent in 10cc
9-29-15	Clear	293	49	244	25	Trace	.900	.0481	.11310	1	N. B.	520	240	B. Cilo present in 10cc
10-25-15	Clear	297	41	256	25	None	.700	.0455	.0975	1	N. B.	190	80	B. Coli absent in 10cc
11-24-15	Clear	312	40	272	25	.001	.600	.0117	.0364	1	N. B.	800	56000	B. Coli absent in 10cc
12-22-15	Turbid	300	47	253	24	.0005	.800	.0325	.0676	1	Bl.	200	60	B. Coli present in 10cc
1-14-16	Turbid	288	45	243	26	Trace	.780	.0260	.0702	1	Bl.	450	300	B. Coli present in 1cc
2-8-16	Turbid	230	42	188	21	Trace	.700	.0169	.1066	2	B.	200	50	B. Coli present in 10cc
2-15-16		235	55	180	20	.0003	.600	.0117	.0637	1	Bl.	100	20	B. Coli absent in 10cc
3-14-16	Clear	210	45	165	22	None	.600	.0117	.1404	2	Bl.	2000	100	B. Coli absent in 10cc
3-28-16	Turbid	210	31	179	22	.001	Trace	.0195	.1651	1	Bl.	600	800	B. Coli present in 1cc
4-19-16	Clear	235	35	200	23	None	Trace	.0240	.0973	2	Bl.	72	40	B. Coli absent in 10cc
5-4-16	Clear	262	47	215	21	Trace	Trace	.0650	.1040	1	B.	50	30	B. Coli present in 10cc
5-25-16												75	40	B. Coli absent in 10cc
6-6-16												22	12	B. Coli absent in 10cc
6-20-16												100	26	B. Coli absent in 10cc

UNIVERSITY MOUND RESERVOIR—FISCAL YEAR 1915-1916.

7-14-15		281	31	250	24	.0004	.180	.0532	.1250	3	Bl.	5000	3200	B. Coli absent in 10cc
7-28-15	Turbid	300	46	254	22	.014	.510	.050	.200	9	N. B.	640	360	B. Coli present in 10cc
8-28-15	Clear	316	35	281	28	Trace	.475	.0065	.0338	1	B. S.	40	300	B. Coli absent in 10cc
9-27-15	Turbid	299	56	243	22	.004	1.500	.0377	.0962	1	B. S.	140	86	B. Coli absent in 10cc
10-28-15	Clear	267	34	233	24	Trace	Trace	.0091	.1066	1	N. B.	300	70	B. Coli present in 10cc

11-23-15	Clear	294	28	266	25	.0005	.700	.0377	.0299	1	N. B.	160	20	B. Coli absent in 10cc
12-22-15	Turbid	280	36	244	23	.0005	.300	.0169	.0962	1	Bl. Sl.	100	20	B. Coli present in 1cc
1-14-16	Turbid	215	57	158	21	Trace	.400	.0494	.1781	2	Bl.	160	50	B. Coli present in 1cc
2-7-16	Turbid	236	60	176	20	None	.700	.0208	.1107	2	Bl. S.	300	12	B. Coli present in 10cc
2-24-16	Color bad	222	35	187	60	Trace	.400	.0013	.0780	1	Bl. Sl.	60	10	B. Coli present in 10cc
3-13-16	Turbid	233	30	203	22	Trace	Trace	.0364	.0760	2	Bl.	2000	600	B. Coli absent in 10cc
3-27-16	Turbid	237	32	205	22	.001	Trace	.0052	.1131	2	Bl.	400	20	B. Coli present in 10cc
4-17-16	Clear	213	31	182	22	.001	Trace	.0080	.1400	2	B.	72	50	B. Coli absent in 10cc
5-3-16	Turbid	284	49	235	21	Trace	1.100	.0052	.0481	2	B.	60	50	B. Coli absent in 10cc
5-25-16												100	75	B. Coli present in 10cc
6-5-16												100	30	B. Coli present in 10cc
6-19-16	Clear	271	59	212	22	Trace	None	.0040	.1133	1	B.	1000	600	B. Coli present in 5cc

SPRING VALLEY WATER CO.—LAKE HONDA—FISCAL YEAR 1915-1916.

7-15-15	Clear	182	24	158	35	.004	Trace	.0286	.078	2	Bl.	100	40	B. Coli absent in 10cc
7-28-15	Clear	171	39	132	31	.001	None	.042	.158	4	Bl.	400	1200	B. Coli present in 10cc
8-26-15	Clear	204	48	156	35	.002	None	.0065	.078	2	Bl.	240	200	B. Coli absent in 10cc
9-27-15	Turbid	187	46	141	38	.001	None	.0377	.2477	3	Bl.	4200	1000	B. Coli absent in 10cc
10-27-15	Clear	196	30	166	39	Trace	None	.0455	.1625	3	Bl.	15000	5000	B. Coli present in 10cc
11-23-15	Clear	179	27	152	38	.002	Trace	.0195	.0117	2	Bl.	120	50	B. Coli absent in 10cc
12-22-15	Turbid	179	30	149	36	.0005	None	.0507	.1430	2	Bl.	100	20	B. Coli present in 5cc
1-14-16	Turbid	253	70	183	27	.0005	.050	.0403	.1144	4.0	Bl.	1000	230	B. Coli present in 1cc
2-8-16	Turbid	257	47	210	23	Trace	.400	.0234	.1703	2	Bl.	150	60	B. Coli present in 5cc
2-23-16		204	33	171	30	Trace	Trace	.0156	.1235	7	Bl.	32	20	B. Coli absent in 10cc
3-13-16	Turbid, yellow	232	36	196	23	None	Trace	.0390	.1560	1	Bl.	150	60	B. Coli absent in 10cc
3-27-16	Turbid	240	30	210	21	Trace	Trace	.0065	.1235	2	Bl.	1000	50	B. Coli absent in 10cc
4-17-16	Sl. Turbid	213	30	183	22	Trace	.500	.0093	.0921	2	B.	52	26	B. Coli absent in 10cc
5-3-16	Clear	171	48	123	30	None	Trace	.0221	.1131	4	B.	200	150	B. Coli present in 1cc
5-25-16												1500	75	B. Coli present in 1cc
6-5-16												28	10	B. Coli absent in 10cc
6-21-16												120	50	B. Coli absent in 10cc

TABLE 19—Continued

SPRING VALLEY WATER CO.—NORTH LAKE MERCED—FISCAL YEAR 1915-1916.

Date Received	Color	Total Solids	Loss Ignition	Fixed Residue	Chlorine	Nitrogen as				Oxygen Consumed	On Ignition	Bacteria Per CC Agar Room Temp.	Bacteria Per CC Agar 37o	REMARKS
						Nitrites	Nitrates	Free Ammonia	Albuminoid Ammonia					
7-15-15	Turbid	275	92	183	67	Trace	None	.050	.215	3	Bl.	400	150	B. Coli absent in 10cc
7-28-15	Clear	274	53	221	70	.0005	None	.052	.212	4	Bl.	640	365	B. Coli absent in 10cc
8-28-15	Turbid	273	58	215	70	None	None	*	*	5	Bl.	240	75	B. Coli absent in 10cc
9-27-15	Turbid	266	57	209	66	Trace	None	.0260	.2470	4	Bl.	3000	500	B. Coli absent in 10cc
10-25-15		297	43	254	68	.004	Trace	.0273	.351	3	Bl.	540	200	B. Coli present in 10cc
11-23-15	Turbid, yellow				95.5	Trace	None	.1313	.5174	3		260	140	B. Coli present in 5cc
12-22-15	Turbid	304	52	252	65	None	None	.0104	.4615	4	Bl.	20	25	B. Coli absent in 10cc
1-14-16	Turbid	268	80	188	63	.0005	None	.1066	.4680	4	Bl.	200	140	B. Coli absent in 10cc
2-24-16	Turbid, yellow	251	37	214	49	Trace	Trace	.0235	.3471	3	Bl.	3000	250	B. Coli absent in 10cc
3-13-16	Yellowish	258	46	212	58	None	None	.0234	.4511	4	Bl.	2000	280	B. Coli absent in 10cc
3-27-16	Yellowish	275	45	230	60	.001	None	.0234	.4485	4	Bl.	120	80	B. Coli absent in 10cc
4-17-16	Clear	264	55	209	59	.001	None	.1586	.3080	4	B.	84	70	B. Coli present in 10cc
5-3-16	Turbid	264	40	224	57	.001	Trace	.1105	.3640	4	B.	1000	200	B. Coli present in 10cc
5-25-16												360	140	B. Coli absent in 10cc
6-7-16												52	30	B. Coli absent in 10cc
6-19-16	Turbid, yellow	288	70	218	64	None	Trace	.0253	.3400	5	B.	600	100	B. Coli present in 10cc

* Insufficient sample for est. ammonia.

SPRING VALLEY WATER CO.—SOUTH LAKE MERCED—FISCAL YEAR 1915-1916.

7-15-15	Clear	258	49	209	63	Trace	None	.0221	.182	2	Bl.	500	300	B. Coli absent in 10cc
7-28-15	Clear	256	49	207	65	Trace	None	.040	.198	8	Bl.	600	240	B. Coli present in 10cc
8-28-15	Clear	271	55	216	71	None	Trace	.0468	.2145	7	Bl.	2500	240	B. Coli absent in 10cc
9-27-15	Clear	248	56	192	62		Trace	.078	.2548	3	Bl.	360	400	B. Coli present in 1cc
10-25-15	Turbid	293	50	243	62	None	Trace	.0299	.299	4	Bl.	1000	250	B. Coli present in 10cc

11-23-15	Turbid, yellow				67	Trace	Trace	.1287	.5070	3		54	90 B. Coli present in 5cc
12-22-15	Turbid	287	53	234	68	None	None	.078	.260	3	Bl.	58	20 B. Coli present in 1cc
1-14-16	Turbid	315	90	225	63	Trace	Trace	.0143	.4485	5	Bl.	2400	1000 B. Coli present in 5cc
2-7-16	Turbid, very yel.	273	73	200	59	Trace	Trace	.1183	.5655	5	Bl.	160	100 B. Coli absent in 10cc
2-24-16	Turbid, very yel.	238	43	195	71	Trace	Trace	.0156	.1235	8	Bl.	1000	60 B. Coli absent in 10cc
3-13-15	Turbid, very yel.	262	47	215	57	None	None	.143	.2860	3	Bl.	160	100 B. Coli absent in 10cc
3-27-16	Yellowish	250	36	214	60	None	None	.0078	.3341	4	Bl.	1500	68 B. Coli present in 10cc
4-17-16	Clear	233	49	184	58	Trace	None	.0080	.2426	3	B.	48	20 B. Coli absent in 10cc
5-3-16	Turbid	268	44	224	62	None	Trace	.0195	.3354	4	B.	500	130 B. Coli absent in 10cc
5-25-16												4000	150 B. Coli present in 1cc
6-7-16												10	50 B. Coli absent in 10cc
6-19-16	Turbid, yellow	296	67	229	64	None	None	.0666	.5493	6	B.	220	100 B. Coli absent in 10cc

MUNICIPAL WATER WELL (OR TANK)—FISCAL YEAR 1915-1916.

7-15-15	Turbid	278	71	207	49	.080	3.700	.070	.0676	1	N. Bl.	100	60 B. Coli absent in 10cc
8-28-15	Clear	264	54	210	45	.124	6.400	.0793	.0512	0.7	N. B.	20	200 B. Coli absent in 10cc
9-28-15		334	119	215	43	7.500				+0	N. B.	300	140 B. Coli present in 1cc
10-27-15	Clear	290	61	229	42	Trace	3.1900	.0324	.0923	1	B. S.	6000	180 B. Coli absent in 10cc
11-23-15	Clear	272	40	232	42	.001	5.300	.0104	.0481	1	N. B.	400	0 B. Coli absent in 10cc
12-22-15	Clear	300	86	314	42	.001	5.00	.0052	.0050	1	Bl. B.	38	10 B. Coli absent in 10cc
1-14-16		340	91	249	43	Trace	5.00	.1040	.1005	1	N. B.	100	30 B. Coli present in 10cc
2-8-16	Clear	300	90	210	49	Trace	5.700	.0234	.0876	1	N. B.	10	8 B. Coli absent in 10cc
2-25-16		300	125	175	44		6.300	.0078	.0780	1	Bl. S.	6	10 B. Coli absent in 10cc
3-15-16	Clear	289	74	215	44	.006	5.200	.0052	.0208	1	N. B.	300	1000 B. Coli absent in 10cc
3-29-16	Clear	293	54	237	45	.003	6.800	.0221	.0416	1	N. B.	300	40 B. Coli absent in 10cc
4-19-16	Clear	291	51	240	44	Trace	8.300	.0293	.0440	1	N. B.	530	300 B. Coli absent in 10cc
5-4-16	Clear	287	47	240	43	Trace	6.6	.0432	.0818	1	N. B.	50	20 B. Coli absent in 10cc
5-25-16												500	30 B. Coli present in 10cc
6-7-16												18	20 B. Coli absent in 10cc
6-21-16												32	50 B. Coli absent in 10cc

TABLE 19—Continued

MUNICIPAL WATER RESERVOIR—FISCAL YEAR 1915-1916.

Date Received	Color	Total Solids	Loss Ignition	Fixed Residue	Chlorine	Nitrogen as				Oxygen Consumed	On Ignition	Bacteria Per CC Agar Room Temp.	Bacteria Per CC Agar 37o	REMARKS.
						Nitrites	Nitrates	Free Ammonia	Albuminoid Ammonia					
7-16-15	Turbid	242	80	162	47	.001	5.000	.0091	.0156	1	B. S.	360	150	B. Coli absent in 10cc
8-28-15	Clear	253	57	192	48	None	6.800	.0364	.0429	0.5	N. B.	600	60	B. Coli absent in 10cc
9-28-15	Clear	292	59	233	44		5.35				N. B.	500	52	B. Coli absent in 10cc
10-29-15	Clear	297	84	213	44	None	7.50	.0065	.0507	1	Bl. S.	500	120	B. Coli absent in 10cc
11-23-15	Clear	268	28	240	42	.001	4.500	.0390	.0507	1	N. B.	20	4	B. Coli absent in 10cc
12-22-15		310	74	236	42	.001	5.300	.0117	.0585	1	N. B.	350	120	B. Coli absent in 10cc
1-14-16	Clear	323	86	237	43	Trace	5.00	.0260	.0520	1	N. B.	1000	360	B. Coli present in 1cc
2-9-16	Clear	328	80	248	52	Trace	5.700	.0351	.0650	1	N. B.	36	20	B. Coli present in 5cc
2-25-16		292	92	200	44	.001	6.300	.0286	.0780	1	N. B.	10	16	B. Coli absent in 10cc
3-15-16	Clear	285	65	220	44	.005	4.600	.0221	.0234	1	N. B.	40	200	B. Coli absent in 10cc
3-29-16	Clear	277	42	235	44	.003	7.100	.0195	.0286	1	N. B.	2000	1000	B. Coli absent in 10cc
4-19-16	Clear	300	67	233	43	.0010	7.800	.0266	.1759	6	N. B.	50	26	B. Coli present in 10cc
5-5-16	Clear	283	77	206	43	.010	6.0	.0650	.0845	1	B.	75	30	B. Coli absent in 10cc
5-25-16												120	30	B. Coli absent in 10cc
6-7-16												50	40	B. Coli absent in 10cc
6-21-15												180	20	B. Coli absent in 10cc

PARK LODGE—FISCAL YEAR 1915-1916.

7-16-15	Clear	411	152	259	45	.002	9.900	.0208	.0754	1	B. S.	130	50	B. Coli absent in 10cc
7-29-15	Clear	412	147	265	47	.004	9.52	.022	.090	1	Bl. Sl.	600	50	B. Coli present in 1cc
8-26-15	Clear	185	35	150	37	Trace	14.500	.0091	.065	2	Bl.	40	48	B. Coli absent in 10cc
9-29-15	Clear	400	116	284	48	.004	8.900	.0300	.1131	1	N. B.	300	120	B. Coli present in 1cc
10-27-15	Clear	407	110	297	52	Trace	9.00	.0065	.0481	1	N. B.	1200	50	B. Coli present in 5cc
11-22-15	Clear	435	91	344	50	.002	8.600	.039	.097	2	N. B.	20	360	B. Coli present in 1cc

12-22-15	Turbid	460	154	306	49.5	Trace	11.5	.0429	.0962	1	N. B.	50	6	B. Coli present in 5cc
1-14-16	Clear	433	146	287	47	Trace	9.200	.1079	.2431	1	N. B.	130	20	B. Coli present in 5cc
2-7-16	Clear, fair	454	166	288	47	Trace	12.500	.0360	.0936	1	B. S.	1000	0	B. Coli absent in 10cc
2-24-16		449	139	310	33	.001	14.400	.0065	.1495	1	Bl.	60	2	B. Coli absent in 10cc
3-14-16	Turbid	472	170	302	49	None	11.600	.0416	.0819	1	N. B.	80	20	B. Coli absent in 10cc
3-28-16	Turbid	391	95	296	47	.001	1.600	.0313	.1495	1	N. B.	50	30	B. Coli present in 10cc
4-18-16	Clear	415	115	300	48	.0008	13.100	.0133	.0573	1	N. B.	378		B. Coli present in 5cc
5-3-16	Clear	381	78	303	48	None	16.1	.0130	.0511	1	N. B.	1000	20	B. Coli absent in 10cc
5-23-16												4000	150	B. Coli present in 5cc
6-6-16												100	60	B. Coli absent in 10cc
6-20-16												1000	60	B. Coli absent in 10cc

FOUNTAIN, CHILDREN'S PLAYGROUND—FISCAL YEAR 1915-1916.

7-16-15	Clear	171	36	135	33	.001	.600	.0143	.1183	3	Bl.	120	50	B. Coli absent in 10cc
7-30-15	Clear	167	34	133	33.5	Trace	Trace	.0507	.2288	3	B.	50	40	B. Coli absent in 10cc
8-26-15	Clear	153	37	119	36	Trace	Trace	.0247	.1391	2	Bl.	80	70	B. Coli absent in 10cc
9-29-15	Turbid	199	40	159	37	None	Trace	.0143	.1664	2	B.	1000	80	B. Coli absent in 10cc
10-29-15	Clear	182	40	142	38	None	.250	.0728	.1755	3	Bl.	150	100	B. Coli absent in 10cc
11-22-15	Clear	181	35	146	36.7	.0015	Trace	.0715	.1833	2	Bl.	1000	700	B. Coli absent in 10cc
12-22-15	Clear	253	16	237	29	Trace	Trace	.0169	.1157	2	Bl.	140	30	B. Coli present in 10cc
1-13-16	Turbid	275	51	224	30	Trace	.200	.0533	.0975	4	Bl.	450	250	B. Coli present in 10cc
2-7-16	Turbid, bad	235	62	173	33	Trace	.600	.0143	.1300	3	Bl. S.	100	100	B. Coli present in 10cc
2-24-16		221	28	193	22	Trace	.600	.0156	.0936	2	Bl.	36	20	B. Coli absent in 10cc
3-14-16	Turbid	215	40	175	22	None	.700	.0455	0.1235	2	Bl.	20	14	B. Coli absent in 10cc
3-29-16	Clear	220	21	199	22	Trace	1.000	.0091	.0637	1	Bl.	80	50	B. Coli absent in 10cc
4-18-16	Slightly turbid	209	31	178	22	None	Trace	.0333	.1146	2	B.	90	40	B. Coli absent in 10cc
5-3-16	Clear	175	35	140	32	.0005	Trace	.1170	.1820	3	B.	68	100	B. Coli absent in 10cc
5-23-16												110	80	B. Coli absent in 10cc
6-6-16												16	10	B. Coli absent in 10cc
6-20-16												150	48	B. Coli absent in 10cc

TABLE 19—Continued

STADIUM—FISCAL YEAR 1915-1916.

Date Received	Color	Total Solids	Loss Ignition	Fixed Residue	Chlorine	Nitrogen as				Oxygen Consumed	On Ignition	Bacteria Per CC Agar Room Temp.	Bacteria Per CC Agar 370	REMARKS.
						Nitrites	Nitrates	Free Ammonia	Albuminoid Ammonia					
7-15-15	Turbid	433	95	338	79	.006	1.200	.0546	.2262	4	Bl.	200	40	B. Coli absent in 10cc
7-29-15	Clear	422	83	339	77	Trace	1.200	.046	.260	3	Bl.	50	40	B. Coli present in 5cc
8-26-15	Clear	243	100	143	69	.264	1.05	.0988	.546	7	Bl.	100	220	B. Coli absent in 10cc
9-29-15	Turbid	429	80	349	75	.140	.300	.0429	.1586	2	B. S.	320	100	B. Coli absent in 10cc
10-29-15	Clear	378	101	277	65	None	1.100	.1001	.0780	1	B. S.	300	300	B. Coli absent in 10cc
11-22-15	Turbid	380	98	282	68	.0005	None	.0429	.0988	2	Bl.	3000	1500	B. Coli absent in 10cc
12-22-15	Turbid	397	110	287	70	Trace	Trace	.1300	.1235	2	Bl.	6	10	B. Coli absent in 10cc
1-13-16	Clear	402	112	290	70	None	Trace	.2001	.1625	3	Bl.	4	40	B. Coli absent in 10cc
2-8-16	Clear	378	86	292	72	None	None	.2600	.1196	2	Bl.	800	100	B. Coli present in 10cc
2-24-16	Turbid, yellowish	381	85	296	58	Trace	None	.312	.182	2	Bl.	50	30	B. Coli absent in 10cc
3-13-16	Turbid	289	64	225	53	None	None	.3380	.1430	2	Bl.	60	40	B. Coli absent in 10cc
4-18-16	Clear	240	61	179	37	.002	Trace	.559	.221	3	Bl.	16	10	B. Coli absent in 10cc
5-4-16	Clear	410	95	315	75	None	Trace	.0166	.3666	5.0	B.	82	30	B. Coli present in 10cc
5-23-16		426	86	340	81	None	Trace	.0520	.1430	2	B.	2000	40	B. Coli absent in 10cc
8-23-16												5000	2000	B. Coli absent in 10cc
6-5-16												32	10	B. Coli absent in 10cc
6-20-16												200	80	B. Coli absent in 10cc

PUMP STATION—FISCAL YEAR 1915-1916.

7-16-15	Turbid	456	165	291	50		9.900	.0026	.0702	1	N. B.	5000	2400	B. Coli present in 5cc
7-29-15	Clear	402	161	241	49	.010	11.460	.018	.012	1	Bl. Sl.	400	240	B. Coli present in 1cc
8-26-15	Clear	450	97	353	55	.004	.090	.0117	.0351	1	N. B.	100	100	B. Coli present in 1cc
9-29-15	Clear	389	91	298	49	.008	9.700	.052	.0845	4	N. B.	1200	100	B. Coli present in 10cc
10-29-15	Clear	443	131	312	49	Trace	12.00	.0325	.1690	1	N. B.	350	300	B. Coli absent in 10cc

11-22-15	Clear	467	127	340	49	.002	10.400	.0101	.0621	1	N. B.	300	180	B. Coli present in 1cc
12-22-15	Clear	496	148	348	49.5	Trace	11.00	.0390	.0715	1	N. B.	36	20	B. Coli present in 5cc
1-13-16	Clear	506	170	336	56	Trace	10.7	.0416	.1001	1	B. S.	5000	700	B. Coli present in 1cc
2-8-16	Turbid	466	107	359	50	.010	14.500	.0364	.091	1	N. B.	300	20	B. Coli present in 10cc
2-24-16		501	181	320	47	.001	13.900	.0169	.1534	1	Bl. Sl.	260	60	B. Coli absent in 10cc
3-14-16	Clear	471	180	291	48	.005	10.700	.0039	.1430	1	N. B.	1000	180	B. Coli absent in 10cc
3-28-16	Clear	393	77	316	47	.003	11.900	.0221	.1014	1	N. B.	2000	300	B. Coli absent in 10cc
4-18-16	Clear	392	98	294	47	Trace	11.900	.0213	.0626	1	N. B.	148	100	B. Coli present in 10cc
5-4-16	Clear	446	139	307	51	Trace	12.900	.0143	.1235	1	N. B.	30	12	B. Coli absent in 10cc
5-23-16												*	180	B. Coli absent in 10cc
6-6-16												50	20	B. Coli absent in 10cc
6-20-16												70	50	B. Coli absent in 10cc

* Spread.

DUTCH WINDMILL—FISCAL YEAR 1915-1916.

7-15-15	Turbid	424	132	292	68	.024	2.400	.0195	.832	1	Bl.	80000	12000	B. Coli present in 1cc
7-29-15		363	99	264	60		1.600	.087	.440	5	Bl.	1500	1300	B. Coli present in 1cc
8-26-15	Clear	355	85	270	58	.020	1.406	.0104	.624	7	Bl.	3200	10000	B. Coli present in 1cc
9-29-15	Turbid, green	455	199	254	57	.024	1.600	.1278	.1729	7	Bl.	10000	4000	B. Coli present in 1cc
10-29-15	Clear	376	93	283	69	None	None	.0468	.143	1	Bl.	200	150	B. Coli absent in 10cc
11-22-15		384	79	305	65	.002	.600	.1885	.3159	2	Bl.	2000	300	B. Coli absent in 10cc
12-22-15		395	40	355	67	Trace	1.00	.0371	.1911	2	Bl.	38	60	B. Coli absent in 10cc
1-13-16	Clear	464	109	355	75	Trace	.600	.0208	.1469	2	Bl.	50	42	B. Coli absent in 10cc
2-8-16		439	66	373	77	Trace	1.500	Trace	.1178	2	N. B.	70	20	B. Coli absent in 10cc
2-23-16		454	82	372	79	Trace	.650	.0585	.234	3	Bl.	100	12	B. Coli absent in 10cc
3-13-16	Clear	472	68	404	84	None	1.400	.0078	.2769	2	N. B.	400	30	B. Coli absent in 10cc
3-28-16		475	58	417	84	.001	1.030	.0520	1911	4	Bl.	700	50	B. Coli absent in 10cc
4-18-16	Clear	372	65	307	67	.0016	1.500	.0313	.1746	3	B.	64	20	B. Coli absent in 10cc
5-4-16		461	100	367	74	.001	4.700	.0585	.1690	3	B.	88	70	B. Coli absent in 10cc
5-23-16												600	200	B. Coli absent in 10cc
6-5-16												160	50	B. Coli absent in 10cc
6-20-16												300	40	B. Coli absent in 10cc

TABLE 19—Continued

MURPHY'S WINDMILL—FISCAL YEAR 1915-1916.

Date Received	Color	Total Solids	Loss Ignition	Fixed Residue	Chlorine	Nitrogen as				Oxygen Consumed	On Ignition	Bacteria Per CC Agar Room Temp.	Bacteria Per CC Agar 370	REMARKS.
						Nitrites	Nitrates	Free Ammonia	Albuminoid Ammonia					
7-15-15		462	101	361	78	.001	1.700	.0429	.091	2	Bl.	50	44	B. Coli absent in 10cc
7-29-15		481	84	397	75	.004	.770	.062	.118	10	Bl.	40	20	B. Coli absent in 10cc
8-26-15	Yellowish	490	90	400	98	.010	.560	.0091	.0884	4	Bl.	250	50	B. Coli absent in 10cc
9-29-15	Clear	483	80	403	82	.014	.900	.0468	.2405	4	Bl.	1500	100	B. Coli absent in 10cc
10-29-15	Turbid	524	89	435	88	None	1.700	.0078	.1469	3	Bl.	150	80	B. Coli absent in 10cc
11-22-15	Clear	502	97	405	82	.002	.400	.0260	.1105	2	Bl.	10000	7000	B. Coli absent in 10cc
12-22-15		311	77	234	59	Trace	Trace	.0351	.1300	3	Bl.	200	10	B. Coli absent in 10cc
1-13-16		320	90	230	52	Trace	Trace	.0754	.1079	3	B.	50	18	B. Coli absent in 10cc
2-8-16	Turbid	274	51	223	46	Trace	Trace	.1269	.2366	3	Bl.	12	10	B. Coli absent in 10cc
2-23-16		260	50	210	44	.002	Trace	.1820	.1820	3	Bl.	50	8	B. Coli absent in 10cc
3-13-16		502	76	426	85		1.400	.4030	.1956	3	Bl. S.	70	20	B. Coli present in 10cc
3-28-16		480	83	397	80	.002	Trace	.052	.2275	4	Bl.	300	50	B. Coli absent in 10cc
4-18-16	Clear	482	67	415	82	.0010	Trace	.0593	.1573	3.0	B.	58	40	B. Coli present in 10cc
5-4-16	Clear	408	86	322	85	.001	1.100	.0286	.0481	2	B.	500	100	B. Coli absent in 10cc
5-23-16												120	60	B. Coli absent in 10cc
6-5-16												80	20	B. Coli absent in 10cc
6-20-16												50	20	B. Coli absent in 10cc

TABLE 20

ANNUAL REPORT—DIVISION MARKET INSPECTION

INSPECTIONS

	Total	1915						1916					
		July	Aug.	Sept.	Oct	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June
Abattoirs	4401	368	361	371	309	351	377	388	332	410	380	402	352
Markets	9409	738	493	844	624	556	928	1068	1144	643	725	684	962
Wharves	5435	510	426	452	521	439	411	359	429	512	476	439	470
Railroad Depots	641	52	48	52	60	48	53	47	50	56	50	50	75
Commission Houses	1913	128	130	111	107	202	331	141	148	165	144	131	175
Chinatown	1557	140	165	135	150	105	100	142	105	140	120	90	165
Total	23356	1926	1623	1965	1771	1702	2200	2145	2208	1926	1895	1796	2199
Fish (lbs.)	8335000	930000	775000	960000	950000	670000	526000	353000	509000	406000	706000	585000	965000
Beeves	78360	5931	7648	6962	6923	7130	6718	6151	6315	6507	5928	5598	6549
Calves	68628	3552	4278	9644	5438	5750	5312	5663	6112	6826	5648	5431	5034
Hogs	141607	11445	12844	12136	11873	13732	15194	11595	10440	10402	10151	11456	10339
Sheep	141766	10756	10956	9954	11509	14558	11866	12849	11729	14779	9949	12086	10775
Lambs	395788	31685	37785	40587	38921	33144	26689	30692	28823	29321	32659	34816	30666
Poultry	3946996	205350	310270	372000	281550	749001	441601	203800	239850	197950	252475	273824	419325
Total	3108145	1198719	1158781	1411283	1306214	1493315	1033380	623690	812269	671785	1022410	928211	1447988

TABLE 20—Continued.

CONDEMNATIONS AND SEIZURES

	Total	1915						1916					
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
Fish (lbs.)	108692	19215	50	10470	12275	12361		5775	4396		11185	9810	23155
Beef (lbs.)	71864	5983	6526	6640	3781	15455	3180	2384	2255	5008	4507	11009	5136
Calves	446½	11	16	31	9	3	11	83	104	99	41	16½	22
Sheep	910	98	46	88	167	35	128	93	40	30	42	72	71
Lambs	51	16	3		3		2	2	11	2	3	4	5
Hogs	770	104	59	40	40	45	106	59	60	53	59	77	68
Beef Heads	669	42	99	86	61	92	37	20	32	32	34	57	77
Calves Heads	450		448			1							1
Hog Heads	8631	750	3418	423	399	443	474	464	353	379	366	627	535
Livers	43981	4179		3310	3373	3817	4139	4133	3717	4061	4095	4716	4441
Beef Tongues	185	4		2	2		3	3		78	8	28	57
Hearts	156						2	3	1		5	71	74
Pork (lbs.)	4172		2561				35	870		50	233	423	
Chickens	7653	407	74	514	702	888	283	790	1665	449	666	591	624
Turkeys	939			4	6	45	158	22	653	20	1	13	17
Hare	2268	454	704	242	232	150	20	11	91	174		32	158
Ducks	136			15	8	14	5	8	30	28	4		24
Geese													
Total	251973¼	31263	14004	21865	21058	33349	8583	14720	13408	10463	21249	27546½	34465

TABLE 20—Continued.

ANNUAL REPORT DIVISION OF MARKET INSPECTION.

CATTLE SLAUGHTERED FOR HUMAN CONSUMPTION.

Month	Source of Supply	Totals	Beeves	Calves	Sheep	Lambs	Hogs	Goats
1915								
July	Butchertown...	60509	5931	842	10731	31660	11343	2
	Outside	18727	2504	3199	4882	6712	1430	
	Total	79236	8435	4041	15613	38372	12773	2
August	Butchertown...	69950	7648	1016	10956	37785	12545	
	Outside	18141	2874	3480	1133	9481	1173	
	Total	88091	10522	4496	12089	47266	13718	
September	Butchertown.	70059	6962	668	9954	40587	11888	
	Outside	18871	2524	4626	1133	9481	1107	
	Total	88930	9486	5294	11087	50068	12995	
October	Butchertown..	72136	6923	2848	11509	38921	11834	101
	Outside	17587	2345	3011	1687	9012	1532	
	Total	89723	9268	5859	13196	47933	13366	101
November	Butchertown..	68823	7120	658	14558	33144	13343	
	Outside	16474	2215	5444	2104	4893	1818	
	Total	85297	9335	6102	16662	38037	15161	
December	Butchertown..	60531	6718	453	11866	26689	14805	
	Outside	20778	2467	5231	5539	5014	2527	
	Total	81309	9185	5684	17405	31703	17332	
1916								
January	Butchertown...	64378	6151	3079	12849	30692	11488	119
	Outside	12975	2032	2699	2200	3987	2057	
	Total	77353	8183	5778	15049	34679	13545	119
February	Butchertown...	55684	6306	223	11729	27048	10378	
	Outside	18990	1863	6113	2710	6536	1768	
	Total	74674	8169	6336	14439	33584	12146	
March	Butchertown...	61296	6507	394	16007	26914	11469	5
	Outside	19768	2118	6589	2739	6092	2230	
	Total	81064	8625	6983	18746	33006	13699	5
April	Butchertown...	59204	5928	602	9946	32661	10067	
	Outside	15914	1710	5392	2283	5125	1338	66
	Total	75118	7638	5994	12229	37786	11405	66
May	Butchertown...	65510	5598	1630	12086	34794	11402	
	Outside	14342	1610	4138	2006	5245	1339	4
	Total	19852	7208	5768	14092	40039	12741	4
June	Butchertown...	61032	6549	2705	10773	30666	10337	2
	Outside	12326	1690	2736	1443	5029	1428	
	Total	73358	8239	5441	12216	35695	11765	2
Totals	Butchertown...	769112	78341	15118	142964	391561	140899	229
	Outside	204893	25952	52658	29859	76607	19747	70
	Total	974005	104293	67776	172823	468168	160646	299

TABLE 21.

ANNUAL REPORT, DIVISION OF SANITARY INSPECTION.

NUISANCES	Totals	1915						1916					
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June
Complaints unabated at last report	38	1	1		3	4	8	4	2	5	2	5	3
Complaints filed during month	186	10	14	24	31	26	10	12	12	10	13	11	13
Total	224	11	15	24	34	30	18	16	14	15	15	16	16
Complaints abated	151	9	11	15	21	16	12	12	7	12	10	12	14
No cause	13		2		2	3	2	1	1	1		1	
Referred to other departments	19	1	2	6	4	3		1	1		1		
Unabated	39	1		3	4	8	4	2	5	2	5	3	2
Total	222	11	15	24	31	30	18	16	14	15	16	16	16
Number of first inspections	192	11	14	24	31	26	16	9	10	11	13	12	15
Number of re-inspections	5207	431	374	412	381	329	504	504	417	449	515	510	381
Special inspections	4127	332	290	296	293	365	340	331	384	461	337	365	333
Communicable Diseases	6476	239	191	215	313	466	426	674	888	1232	666	742	424
Total number of inspections	16002	1013	869	947	1018	1186	1286	1518	1699	2153	1531	1629	1153

TABLE 22.

DIVISION OF INDUSTRIAL INSPECTION.

Class of Premises Inspected	Total inspections	Inspections made on sanitary premises	Premises found insanitary	Insanitary Premises Reinspected	Referred to other Departments	First notices.	Last notices	Abated
Bakeries	1427	602	825		147	825	24	141
Bath Houses	33	26	7		11	1	2	5
Candy Factories	498	123	375	52	340	14	18	36
Cigar Factories	66	58	8	12		4	3	5
Dry Goods and General Merchandise Stores	179	100	79	59			59	74
Garment and Shoe Factories	171	115	56	48	1	43		45
Laundries	938	664	274	112	183	24	12	49
Meat Markets	266	102	164	35	147	7	2	28
Nickelodeons	668	621	47	32		41		27
Printing and Bookbinding Shops	51	25	26	26		26	11	25
Restaurants	47	14	33	29	8	5	5	9
Tailor Shops	78	30	48	43		48	34	44
Maternity Hospitals	17	17						
Midwives	22	22						
Institutions	7	7						
Work Shops	38	26	12					
Miscellaneous	859	412	447	204	171	183	25	133
Insanitary Homes Visited	101		101					
Homes for Children	362	327	35	16	5	10	3	11
Scavenger Wagons, Swill Wagons, Manure Wagons	442							
Totals	6270	3291	2537	668	1013	1233	198	632

TABLE 23

DIVISION OF HOUSING INSPECTION, FISCAL YEAR 1915-1916

INSPECTIONS.

Tenement Houses—		
New Buildings:		
First Inspections	367	
Reinspections	914	
Old Buildings:		
First Inspections	261	
Reinspections	176	
Total		1,518
Flats and Houses		256
Co-inspections		19
Hotels and Lodging Houses—		
New Buildings:		
First Inspections	27	
Reinspections	50	
Old Buildings:		
First Inspections	255	
Reinspections	739	
Total		1,771
Business Visits		374
Grand Total		3,938

VIOLATIONS.

	Discovered		Abated		Unabated	
	New	Old	New	Old	New	Old
Cellars	5	38	5	37		1
Basements	16	35	16	23		12
Yards	3	41	3	38		3
Passages	6	11	6	10		1
Courts	6	55	6	46		9
Vent Shafts	15		15			
Stairs	7	4	7	2		2
Public Halls		1		1		
Rooms	4	538	2	342		198
Windows		48		48		
Skylights		31		24		7
Roofs		19		19		
Fire Escapes	7	8	7	8		
Sinks	85	184	85	149		35
Toilets	26	261	26	256		5
Baths		47		47		
Garbage Disposal	4	31	4	30		1
Sanitation		145		145		
Closets	11		11			
Occupied without permit	22	70	18	70	4	
Total	217	1,567	211	1,295	4	274

TABLE 23—Continued

SANITATION STATEMENT.

Structural—	
Recommended for Condemnation	8
Tenement Houses Condemned	4
Buildings Demolished	8
Buildings Remodeled	6
Permits of Occupancy Issued	283
Permits of Occupancy Renewed	47
Plans—	
Inspected and Approved (New)	76
Inspected and Approved (Old)	5
Rejected	4
Total	85
Arrests—	
Arrested During Year	1
Favorable Court Action	1
Complaints received	48

TABLE 24

DIVISION OF PLUMBING INSPECTION.

	Totals	1915						1916					
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June
Inspection													
Construction.													
In Construction	3857	328	276	396	391	352	338	230	313	333	353	302	245
On Completion	2062	160	143	213	187	208	212	168	132	159	166	174	140
On Work Granted by Permit	2854	132	117	184	173	217	216	237	279	345	380	271	303
Reinspections	5127	270	344	410	358	446	446	451	439	555	543	441	424
Total	13900	890	880	1203	1109	1223	1212	1086	1163	1392	1442	1188	1112
Sewers.													
Inspected	3850	328	276	396	391	352	288	214	313	333	378	315	266
Cast Iron (feet)	364152	33280	29670	36780	34490	31190	25470	22370	27520	27040	34021	29880	32441
Iron Stone (feet)	135734	12320	12730	12500	10820	10850	11981	8210	9881	10640	12282	11971	11549
Curb Traps	2373	155	163	217	246	246	207	185	149	232	228	166	179
Nuisances.													
First Inspection	1726	124	126	176	151	131	129	133	149	158	188	126	135
Reinspection	2973	165	232	238	274	210	282	230	201	303	285	240	313
Total	4699	289	358	414	425	341	411	363	350	461	473	366	448
Unabated at Last Report	1506	97	82	72	132	137	102	106	116	156	147	178	181
Received During Month	1824	137	134	191	160	147	134	142	147	172	190	135	135
Total	3330	234	216	263	292	284	236	248	263	328	337	313	316
Abated	1601	138	131	122	146	123	124	124	110	168	153	126	136
Referred to other Departments	57	1	5	2	4	17	1	3	3	7	5	1	8
No Cause	1416	13	8	7	39	44	3	5	4	6	1	8	8
Remaining Unabated	1539	82	72	132	103	100	108	116	156	147	178	181	164
Notices.													
First Notices	1696	119	122	181	155	131	125	125	108	158	207	122	143
Last Notices	589	50	43	43	60	34	36	51	42	54	63	61	52
Total	2285	169	165	224	215	165	161	176	150	212	270	183	195

TABLE 24—Continued.

NEW FIXTURES INSTALLED IN OLD BUILDINGS.

	Totals	1915						1916					
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
Water Closets	1601	110	59	69	91	115	56	170	123	168	167	351	122
Basins	1997	78	51	71	66	128	45	257	161	121	382	520	117
Bath Tubs	934	45	22	46	47	56	46	97	77	79	73	269	77
Sinks	938	46	42	50	47	79	48	72	87	123	127	109	108
Wash Trays	443	19	15	37	27	38	29	30	45	55	42	55	51
Urinals	185	8	6	6	13	24	10	23	8	13	20	41	13
Slop Hoppers	123	4	8	6	9	4	5	15	8	25	16	16	7
Grease Traps	34	4	1	3	4	5	7	5	2	1	1	0	1
Cesspools	122	9	3	5	8	11	7	8	19	17	10	18	7
Sewers	269	15	10	18	27	28	27	19	20	15	16	26	48
Total	6646	338	217	311	339	488	280	696	550	617	854	1405	551

Number of plans submitted.....1,579 Number of buildings represented.....1,867

Permits granted for repair work.....1,082

TABLE 24—Continued.

ANNUAL REPORT, EXAMINATION FOR MASTER PLUMBER.

Date of Examination.	PLAN.				Date of Examination.	QUESTION		
	Applications Filed	Number Examined	Results			Number Examined	Results	
			Passed	Failed			Passed	Failed
1915—July	6	6	2	4	1915—July	2	1	1
August	5	5	4	1	August	4	2	2
September	3	3	0	3	September	0	0	0
October	2	2	0	2	October	0	0	0
November	3	3	0	3	November	0	0	0
December	8	8	5	3	December	3	1	2
1916—January	4	3	1	2	1916—January	1	1	0
February	2	2	2	0	February	2	2	0
March	4	4	4	0	March	0	0	0
April	5	5	3	2	April	3	2	1
May	4	4	3	1	May	3	3	0
June	1	1	1	0	June	1	0	1
Total	47	46	25	21	Total	19	12	7

Total passing both examinations and qualifying, 12.

TABLE 25

BOARD ACTIONS ON INSANITARY PREMISES, 1915-1916.

Month	New Cases Brought Before the Board	Re-hearings	Total	Condemned During Year	Results Obtained on all Condemnations							
					Cases Abated				Structures Demolished			
					By Repair	By Demolition	By Vacation	Total	Shacks	Stables	Other Structures	Total
1915—												
July	5	6	11	5								
August												
September	12	37	49	10								
October	16	22	38	11								
November	10	12	22	12	10	15	2	27			94	94
December	10	2	12	8								
1916—												
January	15	22	37	9	5	11		16	5	3	16	24
February	13	22	35	15		10		10	3	4	3	10
March	20	27	47	12	2	7		9	2	3	2	7
April	13	16	29	9								
May	14	14	28	14								
June	5	8	13	4	13	26		39	5	6	38	49
Total	133	188	321	109	30	69	2	101	15	16	153	184

TABLE 25—Continued.

TABULATED REPORT OF THE EXPENDITURES IN THE WORK OF SPECIAL SANITATION DURING THE FISCAL YEAR 1915-1916 OF FUNDS APPROPRIATED FOR THIS WORK IN CONJUNCTION WITH THE UNITED STATES PUBLIC HEALTH SERVICE.

	1915						1916						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
Headquarters	72.50	73.00	73.50	65.00	74.10	73.70	65.00	65.00	65.00	65.00	65.00	35.00	791.80
Field Service	574.58	573.90	588.50	563.44	575.90	588.44	626.38	578.00	608.90	552.76	611.36	580.95	7023.11
Laboratory	65.73	67.46	173.58	99.68	173.74	63.95	32.18	56.74	92.79	71.91	121.30	87.73	1106.79
Printing & Stationery		3.97	1.98	10.35	26.77	38.93	8.89	2.00	17.98	24.06	9.07		144.00
Rat Traps and Bait, etc.	29.70	20.88	4.20	11.26	12.57	39.42	21.32	13.03	20.71				173.09
Special Purposes	75.00	75.00	75.00	75.00				75.00	75.00	164.50		144.42	758.92
	817.51	814.21	916.76	824.73	863.08	804.44	753.77	789.77	880.38	878.23	806.73	848.10	9997.71

* Does not include the sum of $25,000 spent by the United States Government in co-operation with the Municipal Board of Health.

TABLE 26

STATEMENT OF TRANSCRIPTS ISSUED AND FEES COLLECTED IN THE DEPARTMENT OF PUBLIC HEALTH FOR THE FISCAL YEAR 1915-1916

TRANSCRIPTS ISSUED	July		August		September		October		November		December	
	No.	Fee	No.	Fee	No.	Fee	No.	Fee	No.	Fee	No.	Fee
Certified Copies Birth (at 75c each)	32	$24.00	48	$36.00	40	$30.00	56	$42.00	41	$30.75	38	$28.50
Same—For pension purposes, etc. (no charge)												
Certified Copies Death (at 75c each)	71	53.25	61	45.75	67	50.25	76	57.00	70	52.50	108	81.00
Same—For pension purposes, etc. (no charge)	4		5		3				5		10	
Permits for Removal of Bodies and Ashes	24		59		28		45		53		41	
Same—(At $10.00 each)	1	10.00			1	10.00	1	10.00	1	10.00		
Miscellaneous Fees				10 00				12.00				
Totals	132	$87.25	173	$91.75	139	$90.25	178	$121.00	170	$93 25	197	$109.50

TRANSCRIPTS ISSUED	January		February		March		April		May		June	
	No.	Fee	No.	Fee	No.	Fee	No.	Fee	No.	Fee	No.	Fee
Certified Copies Birth (at 75c each)	40	$30.00	52	$39.00	47	$35.25	74	$55.50	39	$29.25	66	$49.50
Same—For pension purposes, etc. (no charge)												
Certified Copies Death (at 75c each)	78	58.50	108	81.00	77	57.75	64	48.00	70	52 50	78	58.50
Same—For pension purposes, etc. (no charge)	2		11		4		7				2	
Permits for Removal of Bodies and Ashes	29		38		55		43		53		46	
Same—(At $10.00 each)	3	30.00			1	10.00						
Miscellaneous Fees		1.00				123.20				13.50		
Totals	152	119.50	209	$120.00	184	$226.20	188	$103.50	162	$95.25	192	$108.00

TABLE 26—Continued

TOTAL TRANSCRIPTS ISSUED.

Certified Copies Birth (at 75c each)	573	429.75
Same—For pension purposes, etc. (no charge)	0	
Certified Copies Death (at 75c each)	928	696.00
Same—For pension purposes, etc. (no charge)	53	
Permits for Removal of Bodies and Ashes	514	
Same—(At $10.00 each)	8	80.00
Miscellaneous Fees		159.70
Totals	2,076	1,365.45

TABLE 26—Continued.

PERMITS AND CERTIFICATES ISSUED.

	Totals	1915						1916					
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June
Bath Houses	0	0	0	0	0	0	0	0	0	0	0	0	0
Cigar Factories	0	0	0	0	0	0	0	0	0	0	0	0	0
Homes for Children	193	8	7	19	8	13	14	10	23	22	21	28	20
Hotels and Lodging Houses	24	0	0	0	0	0	0	0	0	1	1	4	18
Laundries	8	0	0	0	0	0	0	0	2	5	0	1	0
Master Plumbers	284	134	79	5	2	20	23	8	4	9	0	0	0
Maternity Hospitals	9	0	1	0	2	2	1	1	1	1	0	0	0
Milk	144	6	7	7	16	17	8	28	14	5	4	18	14
School Attendance	3685	143	175	96	142	255	263	280	560	635	563	64	509
Tenement Houses	262	9	19	8	7	17	13	19	13	26	23	62	46
Wagons, Scavenger, Swill, Manure	442	4	3	0	2	0	0	312	76	43	2	0	0
Bakeries	61	4	9	3	8	2	6	7	5	9	2	4	2
Restaurants	423	25	47	28	47	26	36	39	40	42	23	41	29
Miscellaneous	809	51	93	48	87	36	73	54	88	93	49	87	50
Totals	6344	384	440	214	321	388	437	758	826	891	688	309	688

TABLE 27

ARRESTS FOR VIOLATION OF HEALTH ORDINANCES

RESULTS OBTAINED	TOTALS	CITY ORDINANCES																STATE LAWS			
		12	13	76	357	615	655	660	731	822	1029	1034	1046	1265	1410	1426	2099	2917				
		Garbage Disposal	Screening of Food	Drug Adulteration	Garbage Disposal	Plumbing	Dyes, etc., in Meat	Milk Law	Keeping of Cattle	Regulating Rendering Works	Manure Wagons	Communicable Diseases	Homes for Children	Meat Inspection	Keeping of Swine	Pure Food	Milk Containers	Regulating Manufacture, Care and Sale of Foodstuffs	Chapter 378, Laws of 1915	Maintaining Nuisance	State Hotel and Lodging House Act	State Tenement House Law
Convicted	48					9	1	31					2	1		2		1		1		
Fines $	$1440					185	10	800						100		275		20		50		
Dismissed	118	1	2	4	3	5		28	2	1	6	2	2	2	10	1	4	14	2	22	2	5
Pending																						
Total	166	1	2	4	3	14	1	59	2	1	6	2	4	3	10	3	4	15	2	23	2	5

TABLE 28

EMERGENCY HOSPITALS.

ALANSON WEEKS, M. D., CHIEF SURGEON.

REPORT OF CASES RECEIVED AND TREATED DURING FISCAL YEAR 1915-1916.

During the past fiscal year a total of 33,045 patients were treated in the various Emergency hospitals, (not including the Mission Emergency Hospital) which shows an increase of 6,898 over the number of patients treated last year.

The Central Emergency Hospital treated 18,033 patients, and this is an increase of 3,851 patients, and responded to 3,034 ambulance calls; the Harbor Hospital treated 8,217 patients, an increase of 1,022 patients, and responded to 2,379 ambulance calls; the Potrero Hospital treated 3,161 patients, an increase of 906 patients, and responded to 610 ambulance calls; the Park Hospital treated 3,628 patients, an increase of 1,119 patients, and responded to 1,588 ambulance calls. The Insane Detention Hospital admitted 1,348 patients, of which 1,055 were committed to State Hospitals.

CENTRAL HOSPITAL.

Total number of surgical cases treated	11,209
Total number of medical cases treated	6,824
Grand total	18,033
Total number of emergency ambulance calls	2,890
Total number of transfer ambulance calls	244
Grand total	3,034

HARBOR HOSPITAL.

Total number of surgical cases treated	6,970
Total number of medical cases treated	1,247
Grand total	8,217
Total number of emergency ambulance calls	1,927
Total number of transfer ambulance calls	452
Grand total	2,379

POTRERO HOSPITAL.

Total number of surgical cases treated	2,929
Total number of medical cases treated	232
Grand total	3,161
Total number of emergency ambulance calls	490
Total number of transfer ambulance calls	120
Grand total	610

PARK HOSPITAL.

Total number of surgical cases treated	3,248
Total number of medical cases treated	380
Grand total	3,628
Total number of emergency ambulance calls	1,059
Total number of transfer ambulance calls	529
Grand total	1,588

TABLE 28—Continued

INSANE DETENTION HOSPITAL.

Total number of patients admitted to Detention Hospital	1,348
Grand total number of cases treated during fiscal year 1915-1916	34,393
Grand total number of emergency ambulance calls fiscal year 1915-1916	7,611

FINANCIAL STATEMENT

EMERGENCY HOSPITALS FOR THE FISCAL YEAR 1915-1916.

Appropriation for salaries	$68,052.00
Expenditure for salaries	68,035.35
Surplus	$ 16.65
Appropriation for maintenance	14,335.00
Expenditures for maintenance	14,211.57
Surplus	$ 123.43

ITEMIZED STATEMENT FOR MAINTENANCE

1.	Subsistence	2,646.31
2.	Surgical and medical supplies	2,806.14
3.	Surgical instruments, appliances and repairs	669.82
4.	Motor ambulances (5) and garage supplies	2,717.49
5.	Linen and blankets	1,321.72
6.	Bedding	178.50
7.	Sick room furniture	219.60
8.	Laundry	1,196.46
9.	Scavenger service	120.00
10.	Office furniture and linoleum	186.73
11.	Miscellaneous	1,542.32
12.	Fuel gas	606.48
	Total	$14,211.57

ADDITIONAL EXPENDITURE PAID OUT OF SPECIAL FUNDS.

Electricity	$ 757.53
Water	433.58
Stationery	530.96
Postage Stamps	45.00
Total	$ 1,767.07

TABLE 29

SAN FRANCISCO HOSPITAL.

STATEMENT OF PATIENTS ADMITTED, DISCHARGED AND DIED, FISCAL YEAR 1915-16.

	1915						1916						Total
	July	Aug.	Sept.	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	April	May	June	
Admitted	558	344	367	381	391	444	410	433	454	479	494	466	5221
Born	6	8	16	5	19	16	7	24	12	17	18	11	159
Discharged													
Cured	88	96	123	125	126	164	115	120	150	141	144	157	1549
Improved	139	132	172	139	193	151	156	182	208	202	225	272	2171
Unimproved	35	28	20	14	31	21	25	23	29	27	36	30	319
Own Request	16						1			1			18
Refused treatment			1	1	1	2	3	2	1		1		12
Removed by Relatives or Friends										1			1
Insubordination			1		1	5	2	1	1	4			15
To Insanity Commission	2	1	1	1	2	3	1		3	5	1	3	23
To Relief Home			32	14	20	12	8	2	20	17	7	6	138
To Isolation Hospital			2	1		5	2	1	16	6	2	9	44
Died	64	77	50	47	66	87	90	80	75	69	75	54	834

DAILY AVERAGE NUMBER OF PATIENTS

July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June
514.9	560.38	554	587.61	580.16	592.29	585.06	628.31	613.8	622.1	647.74	618.6

Number patients remaining in hospital July 1, 1915	557
Admitted during the year	5160
	5717
Died and discharged during year	5124
Remaining June 30, 1916	593

NOTE.—This table includes cases received and treated at the Tuberculosis Hospital, which were formerly shown in Table No. 30, now eliminated.

TABLE 29—Continued

SAN FRANCISCO HOSPITAL—COST OF MAINTENANCE, 1915-1916.

EXPENDITURES.

Food supplies purchased	$ 99,721.74	
Clothing and Dry Goods	15,731.18	
Fuel	11,807.10	
Light	1,448.01	
Water	6,702.15	
Ordinary repairs	5,787.36	
Salaries	147,711.20	
Other expenses	14,376.86	
Total		$303,285.60

RECEIPTS.

Received from sales	$ 237.94	
Received from pay patients	127.50	
Other receipts	298.23	
		663.67
Actual expense to county		$302,621.93

Total cost per patient per day	$1.40
Total cost per person per day	.86
Daily average number of patients treated	592
Daily average number of employes	366
Cost subsistence per patient per day	.29
Cost subsistence per employe per day	.45

Total number hospital days (including Main Group and Tuberculosis Dept.)	253,173*
Greatest number patients at any one time (May 19, 1916)	671
Least number patients at any one time (Sept. 22, 1915)	522
Percentage deaths to total number treated	14%

	Total number days treated	Total number cases treated	Average hospital days
1911-1912	104,960	3168	32
1912-1913	113,027	3960	28
1913-1914	102,646	4138	24
1914-1915	124,595	3261	38
1915-1916	253,173	5717	49

Note.—Year 1915-1916 includes complications and tuberculosis cases.

* Main Group, 5059 cases; total days, 191,093; average stay per patient, 37 days. Tuberculosis Dept., 658 cases; total days, 62,080; average stay per patient, 94 days.

CONSTRUCTION AND EQUIPMENT.

The new SAN FRANCISCO HOSPITAL is maintained by the City and County of San Francisco for the treatment of its sick poor. It is under the control of the Department of Public Health.

With the completion of the new general hospital at an approximate cost of three and one-half million dollars, derived from the sale of bonds, San Francisco will have one of the finest and handsomest institutions of its kind in the United States. The hospital when completed will accommodate about 1,000 patients; hence the cost per bed amounts to about $3,500.

The late Mr. Newton J. Tharp designed the buildings and chose for the location of the main group the frontage facing Potrero Avenue, a broad avenue on which is operated the municipal car line.

The hospital is located in what is known as the "Warm Belt" of the Mission, at the edge of the most thickly populated district of the city; it is situated on a rising elevation and covers four city blocks, 866 feet long and 760 feet wide. The tuberculosis and infectious groups, at present under construction, will be situated on higher ground on the easterly portion of the property.

The buildings are so arranged that there is ample light and plenty of ventilation around each particular unit. In general, the type of construction is what is known as the corridor-pavilion, the buildings being connected by a main corridor in such manner that one can go from building to building without exposure to the elements.

The Italian renaissance style of architecture has been followed in designing the buildings, which are of the finest Class "A" fireproof construction possible for human skill to produce. The foundations are of concrete, waterproof and under-drained. The floor and roof construction is of reinforced concrete. The flooring throughout the offices and bedrooms in the administration building and in the nurses' home is of maple; in the wards and in the bedrooms of the service building the floors are covered with battleship linoleum cemented to the concrete. The operating rooms, treatment rooms, toilets, laboratories, etc., are finished with tile and the floors of all corridors are of terrazzo. The exterior walls are of brick of rich color, laid in a very beautiful way, with terra cotta trim.

The grounds are extensive and present a park-like appearance, having been laid out by Mr. John McLaren, the well-known designer of the beautiful gardens of the Panama-Pacific International Exposition, the entire area being enclosed by an iron grill fence and lighted at night by about forty ornamental electroliers.

The interior finish has been given careful study. All angles are rounded; baseboards are finished with sanitary cove; window sills generally are of marble; all door and window frames are of wood; the doors are smooth and flush, without panels, and are painted with five coats of cream enamel paint, except in the administration building and in the nurses' home, where the doors are of quartered oak, natural finish; the plastering is of Keene's cement throughout and is covered with three coats of paint of a light buff color. The plumbing fixtures, of which there are over one thousand, are of vitreous ware; all pipes are placed in vertical pipe racks in such a manner as to be within easy reach when necessary.

Plate glass has been used in all windows, with the exception of a portion of the service building, power plant and laundry, where the panes are of sheet glass. All of the windows are covered with bronze screens.

THE MAIN GROUP consists of ten buildings, begun in 1910 and completed May 1, 1915, when it was officially opened for the reception of patients. It has accommodations for 512 patients and is so constructed that 752 beds may be provided if necessary. The main entrance is in the center of the Potrero Avenue frontage and persons entering or leaving the grounds are compelled to

pass the gate house. The approach from the main entrance to the administration building is impressive, consisting of a series of terraces and stone stairways, on either side of which are lawns and flower beds. Provision is also made for ornamental fountains.

THE ADMINISTRATION BUILDING, the central feature of the main group, is three stories high and provides accommodations for the general offices of the superintendent and his assistants on the first floor. In the main office is located the central telephone exchange and switchboard for signal service; provision is also made for fire alarm station at this location. By means of a signal board, operated in conjunction with the silent call system, the telephone operator records on a time stamp the time when the patient's call is registered and the time it is answered by the nurse. At the northerly end of the administration building, on the first floor, is a large room which is used by the visiting staff and which will also be available as a meeting place for the advisory council, committees interested in social welfare work, etc.

The two upper floors are devoted to the use of the house officers and interns. They contain recreation and general reception rooms, library and billiard room, with a liberal provision of shower baths, toilets and other conveniences. In the basement are storerooms for the storing of trunks, furniture, enamelware, electrical stores, etc., and a large fireproof vault for the safekeeping of records. A portion of this building is set aside for the accommodation of the superintendent.

THE MAIN WARD BUILDINGS, of which there are four, are six stories high. Two are located to the north and two to the south of the administration building. Each ward building contains four wards, a roof garden with penthouse and a basement. There is provision in each ward for 29 beds, there being 25 beds in the general ward, which is 110 feet long and 26 feet wide, and 2 beds in each of the two preparation wards, with a cubic air space of 1,500 feet for each patient. A special feature of the ward buildings is the sanitary tower, placed on the north side of the buildings, opposite the middle of the ward. This tower contains the toilets, baths, wash basins, utility station, clothes chute, blanket warmer, etc. It is connected with the ward by a narrow corridor in such manner as to permit of cross-ventilation between the two structures. The wards have a full southern exposure and are well ventilated by hopper transoms placed above the windows.

Each bed is placed between two windows and is furnished with a reading lamp, silent call system and an electric socket for examination lamp. Each ward is furnished with a treatment room, diet kitchen, ward dining room, laboratory, linen room, toilet, wash room and janitor's closet. At the easterly end of each ward is a large solarium, the walls being almost entirely of glass. A large terrace on the southerly side of the first floor of the ward buildings permits the wheeling of patients into the open air and sunshine. Electric passenger elevators, conveniently located, each of which is capable of carrying a bed, are arranged for operation by lever or by push button control, the change from one system to the other being effected by a throw switch in the elevator machinery room.

The Maternity ward is provided with accommodation for 25 patients, there being beds in the ward proper for 20 patients and rooms for 5. Adjacent to the ward are toilet facilities placed in a sanitary tower and nearby are two nurseries; then follow in order the first stage room, delivery room, diet kitchen, dining room, two isolation rooms, doctor's dressing room, laboratory, supply room, toilet and janitor's closet. At the easterly end is a solarium.

The children's ward has been divided by glass cubicles, 9 feet high, into four smaller units, each containing six beds, so that to a certain extent contact infection from communicable diseases will be controlled.

THE RECEIVING BUILDING, which faces 22nd St., at the northerly end of the main corridor, is five stories high in the main portion, leading from which

are three wings each three stories high. This building has been designed for a five-fold purpose:

1. To receive patients entering the hospital proper.
2. For use as an emergency department.
3. For an out-patient department.
4. As a surgical pavilion.
5. For the purpose of instructing students from the medical colleges.

On the main floor is situated the emergency department, consisting of receiving station, operating rooms, and wards; an out-patient department, consisting of reception room, treatment rooms, drug room, and rooms for social service workers; department for receiving of patients, consisting of reception rooms, examining and treatment rooms, bath rooms, two observation wards and eight isolation rooms. In this department a dental clinic has also been established.

On the second floor is the surgical pavilion, which contains besides the operation rooms, two large surgical amphitheaters, each with seating accommodations for 50 students. On this floor is also located the X-Ray department, eye, ear, nose and throat, and urological examination rooms. Accommodations are also here provide for care of patients before and after operation.

On the third floor is an amphitheater with seating accommodations for 200, with laboratories adjacent, used by the faculty of the five medical colleges affiliated with the hospital for demonstrating purposes. On this floor also are the rooms in which the dressing sterilizers are situated; thus excessive humidity on the second or operating floor is avoided. In the basement is situated the hydrotherapeutic department, which is second to none in San Francisco. It is equipped with dressing and lounging rooms; douche, steam and irrigation rooms; plunge and mechanical apparatus department. In the douche room are shower baths, steam cabinet, electric cabinet, cleaning bath, continuous bath, Nauheim bath, massage table, etc.

The ventilation in the receiving building is controlled by a double mechanical system, the plenum system; one for supply and one for exhaust, the air being drawn in through an aperture 50 feet above the ground, washed and distributed by Sturtevant fans, after proper heating, to the various operating rooms. The mechanical exhaust system of ventilation can be operated separately in different parts of the receiving building. All operating rooms are furnished with running sterile water.

The Pathological Building is located to the east of the receiving building and is a three-story structure now in process of construction. On the first floor will be the morgue, post-mortem rooms, rooms for animal experimentation and kennels in connection therewith; also a chapel. On the second floor will be accommodations for the main chemical and bacteriological laboratories, which will be operated in conjunction with the central laboratory of the department of public health.

The Service Building is located in the rear of the administration building, in the center of the main group, consequently easy of access from the other buildings. It contains the main kitchen and serving pantry, from which all food is served, for removal in food carriages to the various wards. Secondary serving pantries are between the staff dining room and nurses' dining room and between male and female help dining rooms. The drug and linen rooms are also located on the main floor of this building. The two upper floors are furnished as quarters for the male and female help. Not more than two employees sleep in each room.

In the basement provision is made for a number of general storerooms, mattress and pillow rooms, bakery and a large locker room for the accommodation of patients' clothing.

THE NURSES' HOME is situated at the extreme southerly end of the main corridor. A garden faces the south, where the nurses may enjoy themselves and be free from view of the ward buildings, as well as the public. A large lecture room, social hall, recreation rooms, library, dining room, kitchen and suites for the superintendent of nurses, assistant superintendent of nurses, etc., are on the

first floor. The two upper floors are arranged for the accommodation of 120 pupil nurses. There are not more than two nurses in a single room. Each room is furnished with built-in quartered oak closet and chiffonier, between which is a wash basin.

THE POWER PLANT is situated in the center of the hospital group, so as to give equal distribution and minimum length of steam mains, etc., and supplies all electric power and steam used throughout the buildings. The power plant consists of four 250-horsepower Heine boilers, carrying 175 pounds steam pressure, which are fired by crude oil by the Dahl system. The oil is heated to a temperature of 270 degrees Fahrenheit under a pressure of 130 pounds, which does away with the necessity of steam air atomizing. Space has been provided for another boiler, when needed.

The electric generating plant consists of four 125 kilowatt Curtis turbine-generator units, running at 2400 revolutions per minute. The generators are of the three-wire type, delivering current at 125 volts for lighting and 250 volts for power. The main switchboard is also located in the room with the generators and distributes both light and power to all of the buildings through individual feeders to each. The switchboard consists of five generator panels, namely, one main power panel one paralleling panel, which is arranged for connection to an outside source of supply, three lighting panels. Each building has a main switchboard for light and power.

All steam, hot and cold water, steam return, gas, electric and other pipes are run in a system of tunnels connecting the power house with each building. All pipes in the horizontal and vertical directions are placed so as to be within easy reach in case of the necessity of repair. Low pressure steam from turbine and pump exhaust is used for the direct radiators in all wards and buildings, except in the receiving building, where as already stated, the plenum system is used for the heating of operating rooms and amphitheaters. There are 22,000 feet of direct radiation installed in the buildings so far constructed. There is also located in the power plant a twenty-ton ammonia direct expansion refrigerating machine, with brine system of circulation to the main refrigerator in the kitchen, butcher shop and main store-rooms, which is used for cold storage and ice making. Cold storage in the wards in obtained by the use of artificial ice in refrigerators.

The hot water system is a forced circulation, the water being heated to 140 degrees by the exhaust steam. All pumps in the power plant are duplex and in duplicate, reducing the chance of a shut-down to the minimum. There are two fuel oil tanks, one for the fire room, having a capacity of 11,000 gallons, and the other for the engine, having a capacity of 1,500 gallons. Two feed water heaters and purifiers are installed in the boiler room. The boiler pumps are duplex, in duplicate, of large capacity. All machinery operated by power is electrically driven, there being forty motors installed at present. There are four hydraulic elevators, five electric elevators, and a number of electric and hand operated dumb-waiters.

THE LAUNDRY is located on the southerly side of the power plant, with which it is closely connected, in which a complete and very extensive plant is installed.

THE TIME SYSTEM is operated through a master clock in the superintendent's office, from which an electrical impulse is sent to each of the 68 electric clocks throughout the building every minute. The call signal system for doctors, nurses, and other employees is a buzzer system, operated from the telephone switchboard, buzzers being installed on each floor of every building. The silent call system from the patients' beds is operated on the 125 volt lighting circuit. Upon the patient's pressing a button in the flexible cord attached to the bed, it lights a green light over the bed, also a green light at the nurse's desk, in the ward corridor, in the diet kitchen and in the main office directly over the private

exchange board. The method of registering the silent call system is referred to above in connection with description of the administration building.

THE TELEPHONE SYSTEM consists of a private exchange equipped for 159 Bell telephones. At the present time there are but 82 installed.

THE ARTIFICIAL LIGHTING in the buildings is of the "semi-indirect" type, the lower portion of the fixture being translucent, while the major portion of the light is reflected from the ceiling.

Construction of the new TUBERCULOSIS DEPARTMENT, with capacity of 250 beds, and for the ISOLATION DEPARTMENT, with capacity of 110 beds, is now under way, and it is probable these buildings will be ready for occupancy within two years.

THE EQUIPMENT of the San Francisco Hospital has been given much attention. Every room in the hospital was first equipped on paper and then each item was totaled in the aggregate and a stock card made for each article. This card showed the rooms to which such article was to be assigned, so that as the equipment arrived at the hospital no confusion ensued. Moreover, this method furnishes a complete inventory of the hospital equipment. A committee was appointed by the board of health to equip the hospital. As the style of each article was decided upon, photographs, cuts, or designs were made so that there could be no doubt as to what the contractor was bidding upon. Further, each contractor was required to submit a sample, which samples have been retained and placed in what is known as the "sample room."

There are many features of construction, equipment and management, the description of which would be too lengthy. Suffice it to say that the standard of the hospital is such as to entitle it to be ranked as one of the leading hospitals of this country. Great credit is due the members of the board of health, especially those of the building and hospital committees, as well as the architectural commission, for the care with which they have handled this problem. It is through their efforts that San Francisco has one of the most practical as well as most beautiful municipal hospitals. It is to be hoped that this noble group of buildings will remain as a monument to the honor of those who have been privileged to be associated with its construction.

NURSING DEPARTMENT AND TRAINING SCHOOL.

The efficiency of the Nursing Department has been materially increased by appointment of a number of supervisors, who, in addition to having charge of the nursing of patients, are in executive control of the wards, each supervisor being responsible for two wards.

The San Francisco Hospital Training School for Nurses was established in 1890, its object being to give instruction to those desirous of learning the art of caring for the sick. The hospital offers unusual opportunities for a thorough practical experience in all departments.

EQUIPMENT.

The hospital affords valuable opportunities for the clinical education of nurses in all branches of nursing, special opportunities being given for social service work. Instruction is given under competent instructors in the operating rooms, class and demonstration rooms, which are equipped with all the necessary apparatus for teaching purposes. A reference library includes all modern reference and text books relative to nursing. There is also a model diet kitchen equipment for teaching preparation of foods and their application to the needs of the sick. Laboratory equipment for teaching of bacteriology, chemistry, and urinalysis is obtained from the various medical schools connected with the hospital.

REQUIREMENTS FOR ADMISSION

1. A complete high school education; or a two year high school course or its equivalent in a recognized school, together with two years of special study or an occupation that would be considered preparatory to the study of nursing.

2. Good physical condition. Applicants are preferred between age of twenty and thirty years, and not under average weight and height. Their teeth shall also be in good condition.

3. Candidates shall show satisfactory evidence of having been vaccinated within the year previous to entering hospital.

TUITION AND EXPENSES.

No charges are made for tuition. Pupils receive board, lodging, and a reasonable amount of laundry. When accepted as pupil nurses an allowance of ten dollars a month is given for the first year and twelve dollars for the second and third years, to cover cost of uniforms, books, etc.

VACATIONS.

Are given each pupil between June and September. A period of two weeks is allowed at end of first and second years.

SICKNESS.

All pupils are cared for gratuitously when ill and receive professional services of physician of the school. Time lost through illness or for any other reason must be made up.

EXAMINATIONS.

Both oral and written are held at stated periods. The diploma of the school is awarded to those who have completed satisfactorily the term of three years and who have passed the final examinations. Nurses are then entitled to examination for registration in this State.

PREPARATORY COURSE.

Applicants who are approved will be admitted for term of three months, during which time they are under direct supervision of a graduate nurse instructor, receiving daily instruction through lectures, visiting the wards occasionally, but not doing any actual nursing.

The object of this course is to provide the student with the fundamental knowledge upon which nursing depends, to prove her general fitness of disposition and temperament for the work, and to insure the teaching of correct and uniform methods.

In addition to the classes, lectures and demonstrations, held daily, the pupil is taught the simpler practical points of nursing, including care and cleanliness of wards, bath rooms and utensils, linen and other closets, serving rooms and refrigerators, serving of trays, bed-making simple and for helpless patients, ether beds, prevention of bed sores, baths for cleanliness and as therapeutic agents; enemata and douches, observation of pulse, temperature, and respiration; charting; methods of applying heat and cold; disinfection and prevention of contagion; preparation of patients for physical examination; moving of patients; making of pneumonia jackets and surgical dressings; preparation of patients for ether and care of ether patients after operations; care of fracture cases and proper care of patients' surroundings; use of various appliances, utensils, and materials used in nursing.

Those who show adaptability for the work during this term and pass required examinations are accepted as pupil nurses and allowed to wear the school uniform. They will then be required to remain in the school and conform to the rules and discipline for three years from date of admission.

COURSE OF INSTRUCTION.

Embraces a period of three years and pupils are constantly engaged in practical work under immediate supervision of Superintendent of Nurses, her assistants, and the head nurses. Regular courses of lectures by physicians and surgeons, recitations and demonstrations, are given throughout the year.

JUNIOR YEAR.

Includes study of anatomy and physiology; nursing, its principles and practice; dietetics in class work and demonstrations in diet kitchen; and lectures on hygiene, bandaging, medical and surgical diseases.

INTERMEDIATE YEAR.

Includes medical, surgical, gynaecological and obstretical work, infectious diseases and massage, lectures on urinalysis, bacteriology, and materia medica.

SENIOR YEAR.

In addition to study of special diseases, lectures on eye, ear, nose and throat, surgical technique is taught in the operating rooms; the pupils are assigned such positions of responsibility, acting as head nurses, as will enable them to learn something of hospital administration.

POST-GRADUATE WORK.

Pupils who have attained a high average and show special aptitude for institutional work will be given opportunity of post-graduate work for period of one year, during which time they will receive instruction in ward management, teaching of pupil nurses, hospital housekeeping, and minor administration. They will receive $40 per month and maintenance. Examinations will be held at end of year and if successfully passed and work and conduct are satisfactory, a special diploma will be given.

HOURS OF DUTY.

Time spent on duty averages forty-eight hours each week.

RESIDENT MEDICAL STAFF.

The number of internes has been increased and a house officer (a second year man) placed in charge of each service, an arrangement which has proved to be very satisfactory.

Regulations covering the work of this department have been compiled in book form, a copy being given to each member of the resident staff, so that his duties in the organization of the hospital are clearly defined.

TUBERCULOSIS DEPARTMENT.

During the past year the number of beds in the Tuberculosis Department has been increased from about 200 to 250. It is proposed that commencing July 1st, 1916, the State will pay $3 per week for each tuberculous patient as is approved by the Tuberculosis Bureau, State Board of Health, provided the hospital complies with certain conditions relative to care of these patients, housing, etc. It will be necessary to make some alterations in this Department to meet the requirements.

MUNICIPAL ACCIDENT WARD.

To comply with the Workmen's Compensation Law, city employes injured in the performance of duty are entitled to the hospital service of the City and County of San Francisco, and a special ward is reserved for these cases. The best service that the hospital management can furnish is given these patients.

SURGICAL DEPARTMENT.

Located on second floor Receiving Building and consisting of eleven operating rooms. At present only three operating rooms are in use, one of these having been added during the present fiscal year. The large west amphitheater is used for demonstrating operations for medical students and visitors and is very popular with the visiting surgeons. This amphitheater and the smaller operating room are used every morning. Operating room No. 3 is used as an emergency room for overflow work, etc.

During the year a cystoscopic room has been established in this department, which has proved very satisfactory, all work of this class being removed from the treatment rooms in the wards, where proper preparation of these cases was impossible.

The operating and cystoscopic rooms are assigned per regular schedule to the various services, operations being posted on the surgery bulletin board by the Operating Room Nurse not later than 2 p. m. on the day previous to operation.

The number of operations has greatly increased, now averaging about ten daily; fourfold the number in the hospital's previous history. The increase in the amount of work has necessitated the appointment of an assistant to the operating room nurse.

Sterilization for the entire hospital is done through this department, sterilizing plant being located on the third floor, thereby lessening the humidity of the surgical pavilion which is so objectionable in operating rooms. The sterilizing department is in constant operation daily and recently it has been found desirable to use the large mattress sterilizer centrally located near the Power Plant. This markedly diminishes the number of sterilizations besides increasing its efficiency; due to the higher steam pressure obtained at this point. It is therefore recommended that in future buildings sterilizers be placed as near the Power Plant as possible. The Diack sterilizer control has been used with great satisfaction.

COMMISSARY DEPARTMENT.

Is centrally located in rear of the main group of buildings, accessible from either 22nd or 23rd Streets, so that the receiving platform where all supplies are delivered is convenient to the kitchen, store-rooms, power plant, and workshops of the mechanics. Distribution of supplies is thus made with the least expenditure of time and labor.

An accurate check is kept on goods ordered and received; supplies are weighed, measured, and inspected immediately upon receipt and are accordingly accepted or rejected. Strict compliance with contracts as per Schedule of Supplies is demanded. Only brands, samples, etc., approved by the Supplies Committee of the Board of Supervisors will be accepted. Expert inspection of meat, fish, eggs and butter insures delivery of the best food products to the institution.

DISPENSARY.

Daily ward supplies are now delivered each morning as ready and all new prescriptions and orders brought in during the day are promptly delivered by messenger as soon as prepared. This is a decided improvement over the previous method, which required the nurses to call for all supplies.

A system of accountability has been inaugurated during the past year, whereby a record is kept of all package goods, showing the ward or department to which issued, amount issued weekly, and amount issued weekly or monthly to the entire hospital; also the amount of goods ordered and received.

The drug room in the Tuberculosis Department has been closed and the stock consolidated with that of the main dispensary. This not only prevents duplication of stock and ordering, but renders possible a more even distribution and stricter accounting.

Prescriptions and small orders for the Isolation Hospital, previously purchased at retail from outside stores, are now prepared here at a greatly reduced cost to the city.

Another important feature is the reduction in the quantity of liquor used, the decrease amounting to about 200 percent. Formerly the cost per month averaged about $63.12 for 375 patients; the present monthly average is $31.20 for over 700 patients.

The increase in the duties and service required of this department has made necessary the employment of an assistant druggist.

LINEN DEPARTMENT.

In the Linen Department, which is in charge of one head seamstress and two assistant seamstresses, all of the linen such as sheets, pillow slips, towels, jackets, etc., are made; only such articles as are found cheaper to purchase by contract being obtained from outside manufacturers. The hospital linen is also repaired in this department. A system of exchange is in force whereby worn out linen is required to be presented before new linen is issued: As in the wards and other departments, a monthly inventory is taken of all stock.

REGISTRAR.

The Registrar is in charge of the main record room, where all patients' histories and records, statistics, etc., are filed and recorded. The hospital rules require histories to be written within 24 hours after patient's entrance and to be filed in the record room within 72 hours after discharge.

POWER PLANT.

The boilers and generators are in first-class condition; we had a little difficulty with the generators which has been satisfactorily adjusted.

About eight months ago the packing in the ice machine was renewed and the expense has been more than offset by the fact that we have not had to put in extra ammonia since renewing the packing, which will probably last for three years.

The motors in the laundry have held up very well with the exception of one armature in one of the extractors, the shaft breaking due to crystallization.

The elevators are being placed under weekly inspection by the Otis Elevator Co. as a check on the proper repair of same.

Dryers for drying wash rags have been installed in the main diet kitchens and pot cleaning kitchens and are very satisfactory.

Ventilators installed in the staff and help diet kitchens overcome to a great extent the odor of food.

Another good arrangement is the placing of guards over electric lights in the corridors, so that they cannot be removed except by the proper person, who has a key for the guards.

A smothering system is to be installed in the hood over the kitchen range as a protection against fire.

LOCKER ROOM.

Upon admission, the patient's clothing, etc., is sent to the locker room for safekeeping and returned when the patient is ready to be discharged. While in the hospital the patient wears hospital clothing. In connection with the locker room a tailoring department has been established for the repair, cleaning, and pressing of such clothing as is necessary. A supply of clothing is also kept for the use of those patients in need.

DENTAL CLINIC.

It has been arranged to open a dental clinic about July 1st, which will be a decided benefit to patients requiring dental work. This branch is to be maintained jointly by the hospital and the Associated Charities. The Associated Charities furnish the services of a dentist and supply the equipment, in return receiving the service of the Clinic for such of their cases as may be necessary.

LIBRARIES.

A patients' library, instituted through the efforts of the young ladies of the Alpha Sigma Sorority, has been a great source of pleasure to those desiring to make use of it. The members of the sorority give their time and service towards the proper care of the books, issuing and recording of same, catalogues, etc.

A nurses' library has also been established, containing the latest and best works on nursing, through the generosity of the alumnae. A valuable reference library has also been added to the Training School.

TABLE 31

REPORT OF RELIEF HOME FOR AGED AND INFIRM, FISCAL YEAR ENDED JUNE 30, 1916

CHAS. M. WOLLENBERG, Superintendent.

Total number of inmates in Relief Home July 1st, 1915		1378
Total number of inmates admitted during 12 months		615
		1993

DISCHARGES

Number of inmates discharged at own request	200	
Number of inmates who overstayed pass	88	
Number of inmates discharged for cause	5	
Number of inmates left without permission	13	
Number of inmates sent to New San Francisco Hospital	6	
Number of inmates sent to Tubercular Hospital	7	
Number of inmates sent to Insane Asylum	19	
Number of inmates who died	264	602
Total remaining June 30, 1916		1391

SOCIAL CONDITION OF INMATES

Single	714	
Married	77	
Widowed	550	
Divorced	30	
Separated	20	
		1391

BY RACE

Caucasian	1359	
Ethiopian	12	
Mongolian	20	
		1391

BY NATIVITY

Foreign Born	991	
Native Born (United States)	400	
		1391

BY AGES

20 to 30	9	
30 to 40	19	
40 to 50	81	
50 to 60	193	
60 to 70	442	
70 to 80	523	
80 to 90	112	
90 to 100	10	
100 and over	2	
		1391

NUMBER OF TIMES ADMITTED

First time	820
Second time	425
Third time	84
Fourth time	20
Fifth time	16
Sixth time	6

TABLE 31—Continued

Seventh time	2	
Eighth time	4	
Ninth time	5	
Tenth time	3	
Eleventh time	3	
Twelfth time	3	
		1391

PHYSICAL CONDITION OF INMATES

	Number	
Males, blind	26	
Females, blind	7	
Males, bedridden	38	
Females, bedridden	17	
Males, crippled	160	
Females, crippled	42	
Males, able to work	410	
Females, able to work	54	
Males, convalescent	40	
Females, convalescent	14	
Males, mentally incompetent	125	
Fales, mentally incompetent	61	
Males, old and infirm	260	
Females, old and infirm	137	
		1391

TAILORING DEPARTMENT—INMATE LABOR

Men's coats repaired	422
Men's vests repaired	189
Men's pants repaired	491
Men's shirts repaired	80
	1182

SHOE REPAIRING DEPARTMENT—INMATE LABOR

Men's shoes repaired	1323
Women's shoes repaired	278
	1601

FARM REPORT—PRODUCED

Cabbage, lbs.	57,000
Beets, sacks	60
Potatoes, sacks	1,700
Parsnips, sacks	25
Carrots, sacks	200
Turnips, sacks	109
Lettuce, sacks	34
Forage, tons	70
Onions, sacks	10

LAUNDRY WORK FOR YEAR 1915-16

Plain Work	400,800
Starched Work	17,880
Total for year	418,680

TABLE 31—Continued

RELIEF HOME EXPENDITURES, JULY 1st, 1915, to JUNE 30th, 1916

1915

	July	August	September	October	November	December
Subsistence	8,176.33	7,379.44	8,492.10	8,592.66	8,653.92	10,084.63
Sundries	382.91	314.64	214.17	213.54	312.85	140.11
Clothing and Bedding	894.29	499.58	595.14	753.12	925.65	647.62
Power Plant	188.15	114.00	28.16	63.43	113.46	58.65
Drugs	322.11	109.83	142.79	124.40	163.87	181.54
Laundry	17.50	30.00	38.50	84.75	88.50	11.10
Stable	239.11	189.30	165.70	257.75	262.59	84.16
Dairy	437.36	786.29	315.54	782.04	746.66	334.60
Farm	33.75	60.60	127.88	269.82	13.48	482.29
Fuel	955.22	847.58	854.45	1,013.03	956.40	877.66
Garage	.....	79.25	48.17	104.28	45.39	119.83
Repairs—						
Ordinary	209.63	319.05	696.02	645.45	280.89	490.06
Vehicles and Harness	31.44	.....	5.50	8.74	11.35	11.55
Machinery	173.75	.....	53.83	22.60	14.40	40.00
Autos	244.75	33.42	26.94	235.06	72.98	166.12
Construction	146.74	113.02	269.68	173.87	172.58	9.85
Equipment	.....	.....	67.93	290.00	.....	110.00
Pay Roll	5,554.50	5,538.00	5,548.37	5,512.84	5,576.50	5,600.85
	18,007.54	16,414.08	17,690.87	19,147.38	18,411.47	19,450.62

1916

	January	February	March	April	May	June
Subsistence	8,233.03	8,722.54	9,232.99	8,561.04	8,778.24	10,257.04
Sundries	238.92	244.76	155.29	190.56	199.42	173.95
Clothing and Bedding	828.96	734.96	528.74	608.82	1,248.87	588.11
Power Plant	82.32	144.39	46.65	137.61	80.14	227.72
Drugs	124.64	282.50	248.38	177.06	198.25	175.45
Laundry	13.04	77.40	134.04	33.40	92.00	64.07
Stable	150.24	201.38	204.48	177.85	342.10	44.25
Dairy	250.69	249.34	1,034.92	514.09	613.45	295.81
Farm	280.08	111.38	138.17	211.82	.....	41.80
Fuel	1,216.43	844.47	857.99	737.01	860.80	896.34
Garage	47.62	5.00	141.07	.....	1,024.40	58.50
Repairs—						
Ordinary	926.73	457.07	683.42	567.89	1,394.37	716.28
Vehicles and Harness	.....	16.18	41.98	31.68	25.00	65.41
Machinery	23.00	92.70	14.76	13.33	148.39	44.55
Autos	38.14	449.26	153.07	184.73	71.06	128.18
Pay Roll	5,501.35	5,570.10	5,599.72	5,591.00	5,456.00	5,531.01
	17,945.19	18,203.43	19,215.67	17,737.89	20,532.49	19,308.47

TABLE 31—Continued

JULY 1st, 1915, TO JUNE 30th, 1916

Subsistence	105,153.96
Sundries	2,781.12
Clothing and Bedding	8,853.86
Power Plant	1,284.68
Drugs	2,250.82
Laundry	684.30
Stable	2,318.91
Dairy	6,360.79
Farm	1,771.15
Fuel	10,917.38
Garage	1,673.51
Repairs—	
Ordinary	7,386.86
Vehicles and Harness	248.83
Machinery	641.31
Autos	1,803.71
Construction	885.74
Equipment	467.93
Pay Roll	66,580.24
	222,065.10
Water Cost	1,850.58
	223,915.68

RELIEF HOME EXPENSES, JULY 1st, 1915, to JUNE 30th, 1916

Subsistence for one year	105,153.96
Subsistence for one month	8,762.83
Subsistence for one day	287.31
Subsistence for one inmate per day	.207
Clothing and Bedding for one year	8,853.86
Clothing and Bedding for one month	737.82
Clothing and Bedding for one day	24.19
Clothing and Bedding for one inmate per day	.017
Maintenance of total inmates per day	611.79
Maintenance of one inmate per day	.44

TABLE 32

REPORT OF THE INSPECTOR OF INDIGENTS, FISCAL YEAR 1915-16

	Total	1915						1916					
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June
Number of applicants receiving care	7121	511	555	532	482	480	651	692	673	678	606	672	589
Number of investigations	8933	680	762	678	600	591	734	874	765	905	731	860	753
Number of calls—home visits	1821	124	163	163	50	59	157	174	201	227	157	188	158
Total	17875	1315	1480	1373	1132	1130	1542	1740	1639	1810	1494	1720	1500
Cash collected for care of patients	$158.00	$15.00	$15.00				$65.00				$15.00	$15.00	$33.00

TABLE 33

REPORT OF CITY PHYSICIAN

	Total	1915						1916					
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June
Field Work—													
Visits to residences	878	63	64	77	68	81	88	101	82	74	67	68	45
Treated at office	672	34	46	39	42	58	39	59	91	78	45	72	69
Total	1550	97	110	116	110	139	127	160	173	152	112	140	114
City Prison Work—													
Visits to city prison	314	26	27	26	26	26	26	27	25	26	27	26	26
Patients treated	1055	80	97	85	95	94	83	95	82	93	73	93	85
County Jail Work—													
Visits to jail	287		27	26	26	26	26	27	25	26	26	26	26
Patients treated	1170		60	67	83	87	150	140	118	135	110	115	105
Examination of accidents under Liability Act	115	8	11	9	12	7	7	3	6	11	6	17	18
Investigation of accidents Municipal Railway	103	10	19	13	11	8	10	7	5	9	6	4	1
Total	4594	221	351	342	363	387	429	459	434	452	360	421	375

DIVISION OF
VITAL STATISTICS
FISCAL YEAR 1915-16

Estimated Population (1916)	500,000
Estimated Population U. S. Census (1914)	448,502
Deaths registered	7,249
Annual Death Rate per 1,000 of population	14.49

Total Deaths	7,249	
Less Children under 1 week	206	
Non-Residents	769	
Deaths, External Causes	740	1,715
Net Total		5,534

Net Annual Death Rate per 1000 Population, 11.06.

Deaths by Sex.		By Color.	
Males	4,519	White	6,827
Females	2,730	Black	74
		Chinese	265
		Japanese	83

By Social Condition.		By Nativity.	
Single	2,634	San Francisco	1,089
Married	2,679	Other Parts of California	1,021
Widowed	1,524	Other States	1,627
Divorced	120	Foreign Countries	3,290
Unknown	292	Unknown	222

Births Registered 7,780

Annual Birth Rate per 1000 of Population, 15.56.

Still Births Registered 220

(Not included in Birth or Mortality Tables.)

Marriage Licenses Issued (by County Clerk) 6,542

ED. M. COFFEY

STATISTICIAN

BIRTHS REGISTERED (STILL BIRTHS EXCLUDED).

MONTH	TOTALS	SEX		RACE				Twins (pairs)	Triplets (sets)	NATIVITY OF PARENTS												MIXED PARENTAGE		
		MALES	FEMALES	White	Black	Chinese	Japanese			U. S.	Gt. Britain	*Ireland	†Germany	France	‡Italy	Scandinavia	China	Japan	Others	Unascertained	Anglo-Saxon	United States Foreign	Others
1915																								
July	654	318	336	619	1	21	13	9	1	279	16	40	38	9	94	14	11	13	43	0	30	43	24
August	578	290	288	543	1	8	26	6	0	248	12	32	27	7	88	17	2	26	27	3	20	49	20
September	689	370	319	644	3	20	22	10	0	301	13	33	22	10	115	22	5	22	45	0	33	45	23
October	622	304	318	576	3	23	20	8	0	289	7	33	22	6	84	13	6	20	47	6	15	51	23
November	690	372	318	645	0	21	24	4	0	288	13	43	15	11	109	13	6	24	63	5	34	39	27
December	636	335	301	603	0	12	21	6	0	276	13	25	28	8	90	17	5	20	49	11	36	35	23
1916																								
January	702	375	327	660	3	20	19	7	0	309	14	47	20	9	112	12	6	19	55	5	23	47	24
February	648	379	269	601	3	18	26	5	0	279	20	38	28	8	82	16	8	26	49	4	35	33	22
March	666	350	316	605	2	27	32	5	0	279	13	56	25	3	90	14	8	31	43	5	26	47	26
April	615	297	318	570	0	23	22	2	0	266	12	33	30	4	100	12	6	22	48	8	17	35	22
May	633	343	290	597	1	12	23	3	0	265	9	43	25	7	92	18	5	23	52	6	23	42	23
June	647	330	317	598	0	20	29	5	0	288	15	42	24	7	96	15	11	29	34	2	31	32	21
Totals	7780	4063	3717	7261	17	225	277	70	1	3367	157	465	304	89	1152	183	79	275	555	55	323	498	278

* Includes 155 Irish-U. S. born parentage.
† Includes 198 German-U. S. born parentage.
‡ Includes 181 Italian-U. S. born parentage.

STILL BIRTHS

	Total	Male	Female
1915—July	19	12	7
August	8	5	3
September	13	8	5
October	13	8	5
November	18	7	11
December	23	9	14
1916—January	24	14	10
February	25	13	12
March	21	11	10
April	16	10	6
May	20	9	11
	220	118	102
June	20	12	8

TABLE NO. 1.

CLASSIFIED LIST OF CAUSES OF DEATHS ARRANGED ACCORDING TO MONTHS.

During the Fiscal Year Ending June 30, 1916.

Causes of Death (International Classification)	Grand Totals	Males	Females	1915												1916											
				July		Aug.		Sept.		Oct.		Nov.		Dec.		Jan.		Feb.		Mar.		Apr.		May		June	
				M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
DEATHS FROM ALL CAUSES.	7,249	4,519	2,730	340	173	340	213	347	227	354	232	381	226	436	275	476	295	378	223	408	232	379	226	352	202	328	206
I. General Diseases	2,064	1,291	773	92	55	96	55	85	58	102	69	108	58	126	76	126	74	126	60	121	69	96	70	114	64	99	65
II. Diseases of Nervous System	567	292	275	23	25	28	16	28	23	24	28	22	18	29	23	36	20	11	23	29	28	27	23	12	17	23	21
III. Diseases of Circulatory System	1,341	803	538	56	27	71	46	53	53	62	42	75	49	75	53	93	58	52	41	69	48	69	39	71	47	57	35
IV. Diseases of Respiratory System	867	548	319	36	12	33	21	48	17	36	30	38	26	64	40	72	45	57	32	57	30	42	31	36	21	29	14
V. Diseases of the Digestive System	550	360	190	27	16	28	19	31	15	28	19	30	17	30	19	32	12	32	18	30	10	36	15	26	9	30	21
VI. Diseases of Genito-Urinary System	731	463	268	33	18	40	19	36	22	37	15	42	26	46	25	46	36	45	29	36	15	38	21	34	20	30	22
VII. The Puerperal State	54	.....	54	.....	5	.....	6	.....	5	.....	4	.....	5	.....	3	.....	3	.....	4	.....	6	.....	3	.....	6	.....	4
VIII. Diseases of the Skin	15	10	5	1	.....	1	.....	1	1	2	.....	.....	.....	.....	1	4	.....	.....	.....	.....	.....	1	1	.....	.....	.....	2
IX. Diseases of the Bones	13	8	5	.....	.....	.....	1	.....	.....	1	.....	2	.....	1	1	.....	.....	.....	1	2	2	1	.....	.....	.....	1	.....
X. Malformations	49	20	29	3	1	1	4	1	3	1	2	.....	3	1	2	5	4	2	2	1	2	1	3	2	1	2	2
XI. Diseases of Early Infancy	202	124	78	16	3	7	12	10	7	12	8	10	5	9	14	9	11	3	3	13	5	13	4	11	2	11	4
XII. Old Age	55	14	41	.....	3	1	3	3	4	2	1	1	1	2	7	.....	5	.....	2	1	5	2	5	2	2	.....	3
XIII. Affections Produced by External Causes	740	585	155	53	8	34	11	51	19	47	14	53	18	53	11	53	17	50	8	48	12	53	11	44	13	46	13
XIV. Ill-Defined Diseases	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
I. General Diseases.																											
1. Typhoid fever	26	19	7	3	.....	4	.....	2	3	.....	3	1	.....	4	.....	.....	.....	2	.....	2	.....	1	.....	.....	.....	.....	1
2. Typhus fever	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3. Relapsing fever	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4. Malaria	3	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1	.....	1	.....	.....	.....
5. Smallpox	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6. Measles	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
7. Scarlet fever	8	6	2	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	2	.....	1	1	.....	.....	1	.....
8. Whooping cough	21	8	13	1	.....	.....	.....	.....	.....	2	.....	3	.....	1	1	1	.....	1	2	3	2	1	1	.....	.....	.....	2
9. Diphtheria	109	61	48	5	2	1	2	1	2	1	2	5	1	4	2	4	8	5	3	7	7	12	5	11	8	5	6
10. Influenza	14	6	8	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1	.....	2	3	2	4	.....	1	.....	.....	.....	.....	.....	.....

11.	Miliary fever																								
12.	Asiatic cholera																								
13.	Cholera nostras																								
14.	Dysentery	4	2	2				1								1	1							1	
15.	Plague																								
16.	Yellow fever																								
17.	Leprosy	1	1					1																	
18.	Erysipelas (idiopathic)	11	6	5	1	1							1	1						1	1	1	1	1	2
19.	Other epidemic diseases																								
20.	Purulent infection and septicemia																								
	Following decubitis	1	1																1						
	Following infection, arm	1	1																					1	
	Following needle prick, finger	1	1													1									
	Following scratch on hand	2	2					1			1														
	Following infected wound, leg	1	1								1														
	Following bruise of foot	1		1															1						
	Following burn of hand	1		1																					1
	Following nail scratch of nose	1	1										1												
	Following infected wound (?)	1	1																				1		
	Following staphylococcic infection knee	1	1														1								
	Following phlegmon of legs	1	1													1									
	Following cellulitis of leg	1	1													1									
	Following staphylococcic cellulitis	1		1													1								
	Following streptococcus infection	2	2								1								1						
	Pyemia—Following scratch on hand	1	1														1								
	Pyemia—Following injury to leg	1	1														1								
	Pyemia—Unqualified	1	1																1						
21.	Glanders																								
22.	Anthrax																								
23.	Rabies																								
24.	Tetanus																								
	Following infected wound, arm	1		1				1																	
	Following wound of hand	1	1										1												
25.	Mycoses (fungoides)	1		1												1									
26.	Pellagra	1	1														1								
27.	Beriberi	1	1																				1		
28.	Tuberculosis of the lungs	788	598	190	43	12	41	11	40	17	52	14	49	16	54	20	64	20	65	19	52	10	42	21	52	15	44	15
29.	Acute miliary tuberculosis	26	18	8	1		4		1			1	1		5	2		1		1	1	1	4			2	1	
30.	Tuberculous meningitis	74	47	27	4	3	5	1	5	1	5	2	2	3	2	4	3		5	3	2	3	2	3	7	2	3	2
31.	Abdominal tuberculosis—intestinal	4		4						1		1						1		1								
	Peritoneal	23	12	11	2	1				1	1		2	1	2	1		1	1		1	2	1	2	1	1	1	1
32.	Pott's disease—																								
	(Tuberculosis of spine)	11	6	5					1		1	1	1	1	1				2	1					2			

TABLE NO. 1—Continued.

CLASSIFIED LIST OF CAUSES OF DEATHS ARRANGED ACCORDING TO MONTHS.

During the Fiscal Year Ending June 30, 1916.

Causes of Death (International Classification)	Grand Totals	Males	Females	1915												1916											
				July		Aug.		Sept.		Oct.		Nov.		Dec.		Jan.		Feb.		Mar.		Apr.		May		June	
				M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
33. White swellings—																											
Tuberculosis hip-joint	2	2				1																		1			
Tuberculosis of joints	1	1																						1			
34. Tuberculosis of other organs—																											
Lymph-glands of neck	5	2	3			1						1						1			1	1					
Of bones of foot	1	1				1																					
Of kidneys	1		1																								1
35. Disseminated tuberculosis																											
36. Rickets	4	3	1											2				1									1
Osteomalacia	1		1																						1		
37a. Syphilis—congenital	19	10	9		1	1		1	1	1	1	2	2	1	2	1	1							3	1		
37b. Syphilis—acquired	27	19	8			2	1	2	1	1		2		1	1	1	1			3		1		3		3	4
38. Gonococcus infection	2	1	1												1			1									
39. Cancer of the buccal cavity																											
Of lip	3	3								1											1					1	
Of maxilla	7	7						1		1		1				2				1						1	
Of maxilla (operative shock)	1	1								1																	
Of mouth	1	1																								1	
Of palate	1	1												1													
Of tongue	11	11		2		1										1		3		2		2					
Sarcoma of maxilla	3	1	2									1		1											1		
40a. Cancer of the stomach	183	127	56	7	8	13	6	6	3	14	9	7	5	19	3	10	2	12	1	10	6	11	5	13	5	5	3
(Operative shock)	1		1				1																				
(Operative sepsis)	1	1										1															
Sarcoma of stomach	2	1	1																					1			1
40b. Cancer of liver	60	30	30	3	1	2	3	1		1	6	2	3	1	3	4	2	2	2	3	4	3	2	4	2	4	2
(Operative shock)	1	1														1											
41a. Cancer of the peritonæum, intestines																											
Of intestines	49	25	24	3	3		2	4	2	2	2		1	3	3	3	4	2	1	2	1	1	1	1	2	4	2
Of intestines (operative shock)	2	1	1	1	1																						
Sarcoma of intestines	5	4	1					1								2			1							1	

41b. Cancer of rectum	25	18	7	2		3		1	3	1	1	2	2	1		1		3		1		1	1	1		1	
(Operative shock)	1		1																						1		
42. Cancer of the female genital organs—																											
Of uterus	73		73		7		6		7		4		3		10		7		2		9		6		6		6
Of uterus (operative shock)	6		6		2		1				1						1										1
Of ovary	6		6								1						1				2		1		1		
Of vagina	3		3		1																1						1
Sarcoma of uterus	1		1																		1						
Sarcoma of vagina	1		1						1																		
43. Cancer of the breast	63		63		3		5		5		5		2		4		9		7		4		10		4		5
Sarcoma of breast	2		2		1		1																				
44. Cancer of the skin—																											
Of ear	1	1										1															
Of face	6	6		1					1					1		1		1									
Sarcoma of face	1	1				1																					
45. Cancer of other or unspecified organs																											
Of bladder (urinary)	9	8	1			2			1		3		1							1							1
Of groin	1		1				1																				
Of kidney	2	1	1														1	1									
Of larynx	7	6	1					1	1			1				1				2			1				
Of lumbar region	1		1																		1						
Of lung	4	2	2						1							1									1	1	
Of mediastinum	3	2	1									1						1					1				
Of neck	7	7										1		1						3						2	
Of orbit	1	1																1									
Of penis	2	2				1		1																			
Of pharnyx	5	5		1				1		2				1													
Of prostate	8	8								2						1				3						2	
Of prostate (operative shock)	1	1										1															
Of spine	1		1																						1		
Of spleen	2	1	1			1								1													
Of temporal region	1		1											1													
Of testicle	1	1																		1							
Of thyreoid	1		1																1								
Sarcoma—Of arm	1	1								1																	
Of axilla	1	1																		1							
Of brain	4	3	1			1	1											1					1				
Of brain (operative shock)	1	1		1																							
Of eye	1	1																			1						
Of femur	1		1														1										
Of groin	1		1										1														
Of ilium	1	1														1											
Of kidney	1	1																		1							
Of lung	1	1												1													
Of mediastinum	2	1	1			1														1							
Of neck	3	3												1				1			1						

TABLE NO. 1—Continued.

CLASSIFIED LIST OF CAUSES OF DEATHS ARRANGED ACCORDING TO MONTHS.

During the Fiscal Year Ending June 30, 1916.

Causes of Death (International Classification)	Grand Totals	Males	Females	1915 July M.	July F.	Aug. M.	Aug. F.	Sept. M.	Sept. F.	Oct. M.	Oct. F.	Nov. M.	Nov. F.	Dec. M.	Dec. F.	1916 Jan. M.	Jan. F.	Feb. M.	Feb. F.	Mar. M.	Mar. F.	Apr. M.	Apr. F.	May M.	May F.	June M.	June F.
Of orbit	2	2										1								1							
Of testicle	1	1																						1			
46. Other tumors (except of female genital organs)																											
Of mediastinum	1	1																1									
Of parotid	1		1																								1
47. Acute articular rheumatism	5	2	3	1																1	1	1					1
48. Chronic rheumatism and gout	8	5	3					1		1	1	1	1					1	1							1	
49. Scurvy																											
50. Diabetes	104	51	53	3	4	2	5	4	4	4	7	6	7	7	6	4	3	4	3	6	5	2	3	3	2	6	4
51. Exophthalmic goitre	11	1	10		1				1						3	1	2		1						2		
52. Addison's disease	3	2	1									1								1						1	
53. Leukæmia	17	12	5	3				1				3		1		1				1		2	2		1	2	
54. Anæmia, chlorosis	40	15	25			1	3	1	1	2	2	2		1	6	1	3	1	2	2	2	3	2	1	3		1
55. Other general diseases (acidosis)	3	3														2		1									
Purpura hemorrhagica	5	3	2	1				1	1							1			1								
56. Alcoholism (acute and chronic)	55	41	14	3	3	5	2	5	1	5	3	5	1	2	2	6	1	3		4	1	1				2	
57. Chronic lead poisoning	2	2																		1						1	
58 Other chronic occupation poisonings																											
59. Other chronic poisonings																											
II. Diseases of the Nervous System.																											
60. Encephalitis	4	3	1	1												1			1	1							
Abscess of brain	3		3		1									1			1				1						
61. (1) Simple meningitis	17	10	7	1				2	1	1		2		1		1			1		1	2	4				
Streptococcic meningitis	3	3				1								1								1					
(2) Cerebrospinal meningitis	7	4	3	1										1		1	2			1			1				
(3) Epidemic cerebrospinal meningitis	4	2	2			1			1			1															1

62.	Locomotor ataxia	21	17	4	1		2				1	1	1	1	1		4						6	1	1				1
63.	Other diseases of spinal cord—																												
	Acute ascending paralysis	1	1					1																					
	Myelitis, transverse	3	1	2							1			1			1												
	Myasthenia gravis	1	1									1																	
	Paralysis agitans	2	1	1									1							1									
	Paralysis, bulbar	5	3	2				1											1	1								1	1
	Poliomyelitis	1	1											1															
	Spina bifida	1	1					1																					
	Tumor of spinal cord	3	1	2			1														1							1	
	Sclerosis-lateral	5	3	2										1	1	1				1	1								
64.	Cerebral hæmorrhage, apoplexy	390	192	198	13	18	20	13	15	19	16	21	15	14	18	18	23	21	10	16	21	21	15	10	10	12	16	15	
65.	Softening of the brain	20	7	13	1	2	1	1	1	1		2			1	1	1	1	1	2						2	1	1	
66.	Paralysis without specified cause	8	4	4	1	1	1				1													2	1			1	
	Hemiplegia	10	4	6	1	1		1		1	1	1					1	1		1				2					
67.	General paralysis of the insane (Paresis)	9	7	2			1		1					1		1	3				1		1						
68.	Other forms of mental alienation (Dementia, praecox)	1	1																									1	
69.	Epilepsy	13	7	6			1		2			2			1	1		2			2					1	1		
70.	Convulsions (nonpuerperal)																												
71.	Convulsions of infants	3		3										1		1								1					
72.	Chorea																												
73.	Neuralgia and neuritis																												
74.	Other diseases of the nervous system																												
	Sclerosis of brain	1	1		1																								
	Tumor of brain	25	13	12	2	2		2	1	3		1		1			1		1		3	2	2		1	2	1		
75.	Diseases of the eyes and their adnexa																												
76.	Diseases of the ears (Otitis Media)	6	4	2				1	1		1		1		1											1			
III.	**Diseases of the Circulatory System.**																												
77.	Pericarditis	24	19	5		1	1		1		1	2	2		7		1	1			3		1		2			1	
78.	Acute endocarditis	48	33	15	5	1	2	2	4		2	2	4	1	2	1	3	1	2	2	2		4	1	3	2		2	
79.	Organic diseases of the heart																												
	(1) Valvular	385	238	147	19	3	20	17	22	14	20	8	19	12	20	12	30	18	11	8	16	12	18	15	23	16	20	12	
	(2) Endocarditis, chronic	139	97	42	7	2	9	4	7	2	5	4	10	5	6	4	10	4	6		8	5	12	3	10	6	7	3	
	(3) Fatty heart	19	4	15		1	1			2	1	2	1	2				2	1					1		3		2	
	(4) Myocarditis, chronic	505	279	226	20	15	22	11	14	26	15	19	28	23	31	25	30	24	26	24	28	22	28	13	19	15	18	9	
80.	Angina pectoris	72	46	26	4		1	7	1	1	3	1	5	4	3	4	7	2	2	1	7	1	2	1	7	2	4	2	
81.	Diseases of arteries, atheroma, aneurysm, etc.																												
	Aneurism of aorta	28	23	5			1	1			5		2		3		5		1	1					2	2	4	1	
	Arterio-sclerosis	91	45	46		2	11	4	4	6	8	4	2	2	3	5	2	3	3	5	2	8	3	4	5	1	2	2	
	Endarteritis	1	1														1												
82.	Embolism and thrombosis	19	13	6	1		2			2	2		1			1	3	2			2			1			2		

TABLE NO. 1—Continued.

CLASSIFIED LIST OF CAUSES OF DEATHS ARRANGED ACCORDING TO MONTHS.

During the Fiscal Year Ending June 30, 1916.

Causes of Death (International Classification)	Grand Totals	Males	Females	1915												1916											
				July		Aug.		Sept.		Oct.		Nov.		Dec.		Jan.		Feb.		Mar.		Apr.		May		June	
				M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
83. Diseases of veins (phlebitis)	6	3	3	....	1	1	....	....	....	....	....	1	....	....	....	1	1	....	....	....	....	....	....	....	....	....	1
84. Diseases of lymphatic system—																											
Abscess auxiliary gland	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....
Adenitis, suppurative	1	....	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Enlarged thymus	1	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Status lymphaticus	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....
85. Hæmorrhage, other diseases of circulatory system	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
IV. Diseases of the Respiratory System.																											
86. Diseases of the nasal fossæ	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
87. Diseases of the larynx (laryngitis)	4	2	2	....	....	....	....	....	....	1	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	1
88. Diseases of the thyreoid body	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
89. Acute bronchitis	40	18	22	....	....	1	1	2	3	3	....	3	3	1	4	2	5	2	1	....	2	1	1	1	2	2	....
90. Chronic bronchitis	27	14	13	1	1	1	....	3	....	....	....	....	....	2	1	2	5	2	2	....	2	2	....	....	2	1	....
91. Bronchopneumonia	345	227	118	21	6	17	11	22	5	12	15	10	8	21	15	27	13	22	14	27	10	25	15	14	4	9	2
92. Lobar pneumonia	385	237	148	12	4	10	7	17	8	16	13	20	14	32	18	36	20	25	14	23	13	12	13	19	13	15	11
93. Pleurisy	44	36	8	1	....	3	1	3	1	4	....	4	1	3	1	3	....	3	1	7	2	2	1	2	....	1	....
94. Pulmonary congestion, pulmonary apoplexy	6	3	3	....	....	1	1	....	....	....	....	1	....	1	....	....	....	....	....	....	1	....	....	....	....	1	....
95. Gangrene of the lung	4	4	....	....	....	....	....	1	....	....	....	....	....	1	....	....	....	2	....	....	....	....	....	....	....	....	....
96. Asthma	10	6	4	1	1	....	....	....	....	....	1	1	....	2	1	1	1	1	....	....	....	....	....	....	....	....	....
97. Pulmonary emphysema	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
98. Other diseases of the respiratory system (tuberculosis excepted)—																											
Abscess of lung	2	1	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....	....
V. Diseases of the Digestive System.																											
99. Diseases of mouth and adnexa (gangrenous stomatitis)	1	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

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TABLE NO. 1—Continued.

CLASSIFIED LIST OF CAUSES OF DEATHS ARRANGED ACCORDING TO MONTHS.

During the Fiscal Year Ending June 30, 1916.

	Causes of Death (International Classification)	Grand Totals	Males	Females	1915												1916											
					July		Aug.		Sept.		Oct.		Nov.		Dec.		Jan.		Feb.		Mar.		Apr.		May		June	
					M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
	Stricture rectum	1	1																				1			
	Coccidioidal granuloma	1	1																							
111.	Acute yellow atrophy of the liver	3	3				1		2													1					
112.	Hydatid tumor of the liver (operative shock)	1	1																						1		
113.	Cirrhosis of the liver	110	79	31	5	2	5	3	5	1	4	2	7	3	7	1	8	4	7	4	9	3	9	3	5	1	8	4
114.	Biliary calculi	24	9	15	1	1	1	1		2		3	2	2	2	2	1						1	1	1			3
	(Operative shock)	6		6		2		1				1				1								1			
	(Operative sepsis)	1	1				1																					
115.	Other diseases of the liver (abscess of)	5	5								1		1				1								1		1	
	Inflammation of	3	3												1		1										1	
	Cholecystitis	9	4	5	1							1		1	1	1			1		1	1					1	
	Gangrene of gall bladder	1		1												1												
	Rupture of gall bladder	2	1	1									1			1												
116.	Diseases of the spleen (abscess of)	1	1																				1					
117.	Simple peritonitis	1	1																1									
118.	Other diseases of digestive system (excepting tuberculosis, cancer)																											
	Sub-phrenic abscess	2	1	1					1	1																		
	Hemorrhagic pancreatitis	5	5										1		1		1										2	
VI.	**Diseases of the Genito-Urinary System.**																											
119.	Acute nephritis	49	28	21	1	1	1	1	2	1	2	1	6	6	2	3	2	4	1	2	3	1	2		5		1	1
120.	Bright's disease	585	387	198	26	13	32	16	31	14	28	9	34	13	39	21	43	30	39	21	30	10	35	18	25	15	25	18
121.	Chyluria																											
122.	Other diseases of the kidneys and adnexa (Hydronephrosis)	1	1				1																					
	Pyelitis	4	4								1								1				1				1	
	Pyelonephritis	3	2	1										1											2			

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TABLE NO. 1—Continued.

CLASSIFIED LIST OF CAUSES OF DEATHS ARRANGED ACCORDING TO MONTHS.

During the Fiscal Year Ending June 30, 1916.

Causes of Death (International Classification)	Grand Totals	Males	Females	1915												1916											
				July		Aug.		Sept.		Oct.		Nov.		Dec.		Jan.		Feb.		Mar.		Apr.		May		June	
				M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
137. Puerperal septicæmia	12		12				2		1		3		2		1				1		2					
138. Puerperal albuminuria and convulsions	15		15						3		1		2		1		2		1		1		2		2
139. Puerperal sudden death (acute myocarditis)	1		1																1							
Puerperal phlebitis)	1		1		1																					
140. Following childbirth (not otherwise specified)																										
141. Puerperal diseases of the breast																										
VIII. Diseases of the Skin.																										
142. Gangrene (of foot)	3	2	1						1	1						1										
Raynaud's disease	1	1														1										
143. Furuncle (carbuncle)	1	1				1																				
Carbuncle (septicemia following)	1	1														1										
144. Acute abscess (multiple)	1	1								1																
Of cervical glands	1	1														1										
Cellulitis face (scratch of nail)	1		1											1												
Cellulitis hand (septicemia fol.)	1		1																		1					
Pemphigus neonatorum	1	1						1																		
Pemphigus foleaceas	1		1																							1
Ulcer leg (septicemia following)	1	1			1																1					
Pituriasis rubia	1	1																								
Impetigo (septicemia following)	1		1																							1
IX. Diseases of the Bones.																										
146. Diseases of the bones (tuberculosis excepted)—																										
Mastoiditis	3	2	1																1	1		1				

	(Septicemia following)	4	3	1				1			1										1						1				
	Necrosis maxilla (operative shock)	1		1																		1									
	Osteomyelitis tibia	1	1												1																
147.	Diseases of the joints (excepting tuberculosis and rheumatism—																														
	Purulent arthritis	2	1	1								1										1									
	Arthropathy hip (operative shock)	1	1									1																			
	Congenital dislocation hip (operative shock)	1		1												1															
148.	Amputations																														
149.	Other diseases of the organs of locomotion																														
	X. Malformations.																														
150.	(1) Hydrocephalus	5	1	4				1			1		1			1	1														
	(2) Congenital malformation of heart	22	9	13	1			1	1	1	1	1		1	1	1	2	3	1	1		1		2		1	2				
	(3) Other congenital malformations..																														
	Cleft palate	4		4						1				1						1										1	
	Imperforate anus	3	2	1		1																1				1					
	Microcephalus	1		1																										1	
	Pyloric stenosis	5	5				1										1		1					1		1					
	(Operative shock)	2	1	1	1																				1						
	Spina bifida	4	2	2	1			1									1					1									
	(Operative shock)	1		1			1																								
	Malformation urinary bladder	1		1												1															
	Arrest of development	1		1			1																								
	XI. Diseases of Early Infancy.																														
151.	(1) Premature birth	125	77	48	8	3	4	5	4	6	9	6	7	2	6	11	6	7	3	3	6	2	8	1	8	1	8	1			
	(2) Congenital debility, "atrophy," "marasmus," etc.	5	3	2	1						1			1														1	1	
	Icterus neonatorum	2	1	1																	1			1						
	Maldevelopment	1		1																				1						
152.	Other diseases peculiar to early infancy—																														
	(1) Injuries at birth (instrumental delivery)	15	12	3			2	1			1		1	1			1				2		3	1	1		1				
	Breech presentation	1	1		1																										
	Placenta previa	3	2	1			1	1					1																		
	(2) Asphyxia neonatorum	6	4	2					1		1		1		1							1								1	
	Atelectasis neonatorum	26	16	10	5			5	4	1				1	1	1	2	1			1					2		1	1		
	Hemophilia neonatorum	8	2	6											1	2		1			1	2				1					
	Hemorrhage from circumcision..	1	1																		1										
	Hemorrhage umbilicus	1	1																		1										

TABLE NO. 1—Continued.

CLASSIFIED LIST OF CAUSES OF DEATHS ARRANGED ACCORDING TO MONTHS.

During the Fiscal Year Ending June 30, 1916.

Causes of Death (International Classification)	Grand Totals	Males	Females	1915												1916											
				July		Aug.		Sept.		Oct.		Nov.		Dec.		Jan.		Feb.		Mar.		Apr.		May		June	
				M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
Melena neonatorum	1	1						1																			
Inspiration of food	1		1							1																	
Inspiration of vomit	1	1		1																							
Infection umbilicus	2		2							1						1											
Suffocation under bedclothes	2	2																			2						
Suffocation (overlaid)	1		1													1											
153. Lack of care																											
XII. Old Age.																											
154. Senility	55	14	41		3	1	3	3	4	2	1	1	1	2	7		5		2	1	5	2	5	2	2		3
XIII. Affections Produced by External Causes																											
155. Suicide by poison—																											
Arsenic	1	1																			1						
Bi-chloride mercury	5		5					1		2		1					1										
Carbolic acid	7	5	2	2				1								1	1	1	1								
Chloroform	1		1																					1			
Cyanide potassium	13	12	1		1			1		1						1		2				2		2		3	
Lysol	5	4	1	1				1						1									1			1	
Strychnine	3	2	1	1									1											1			
Undetermined poison	1		1																						1		
156. Suicide by asphyxia (illuminating gas)	56	45	11	1	2	1		3	1	6		3	1	1		3		5		5	3	2	2	11	1	4	1
157. Suicide by hanging or strangulation	15	14	1	3		4	1	1		1		1		1		1				1		1					
158. Suicide by drowning	14	11	3	2								2		1			1	1		1		1		1		2	2
159. Suicide by firearms	98	89	9	4	1	8		9	1	10		6		12	2	10	1	6	1	5		11	2	4	1	4	
160. Suicide by cutting or piercing instruments	18	16	2	3				2		1	2	1		3		3		1						1		1	

161.	Suicide by jumping from a high place (from bridge)	1	1		1																										
	From fire escape	1	1																					1							
	From pile driver	1	1			1																									
	From window	10	7	3	1		2				1				1		1	1	1								1		1		
162.	Suicide by crushing																														
163.	Other suicides																														
164.	Poisoning by food (ptomaines)—																														
	From eating clams	2		2							1																1				
	Crab salad	1		1							1																				
	Unknown	2	1	1		1											1														
165.	Other acute poisonings—																														
	Arsenic (accidentally self-administered)	1		1																			1								
	Bi-chloride mercury (accidentally self-administered)	3	1	2								1					1										1				
	Cyanide (accidentally self-administered)	1	1															1													
	Morphine (accidentally self-administered)	1	1													1															
	Muriatic acid (accidentally self-administered)	1	1																	1											
	Opium (accidentally self-administered)	1		1																							1				
	Strychnine manner unknown)	1		1							1																				
	Unknown poison (manner unknown)	1		1															1												
166.	Conflagration (in burning building)	12	3	9			4		5			1															1		1		
167.	Burns (conflagration excepted)—																														
	Playing with matches	3	1	2	1																									2	
	From gas stove	1		1													1														
	From open grate	1		1								1																			
	From wood stove	1		1										1																	
	From gasoline stove	1		1								1																			
	From vaporizer	1	1									1																			
	From electric hot plate	1	1																								1				
	From explosion kerosene lamp	2	1	1								1																	1		
	Lighting fire with kerosene	1		1																										1	
	From explosion distillate	2	2									1								1											
	From scalding water	3	2	1	1			1																		1					
	From boiling grease	1		1																						1					
168.	Absorption of deleterious gases (conflagration excepted)—																														
	(1) Illuminating gas (accidental)	52	43	9	1	1		1		1	1	4		7	2	5		8		4	3	5		5	2	2					
	(2) Anesthesia (ether during operation)	1	1													1															
	(Not stated) (during operation)	1	1					1																							

TABLE NO. 1—Continued.

CLASSIFIED LIST OF CAUSES OF DEATHS ARRANGED ACCORDING TO MONTHS.

During the Fiscal Year Ending June 30, 1916.

	Causes of Death (International Classification)	Grand Totals	Males	Females	1915												1916											
					July		Aug.		Sept.		Oct.		Nov.		Dec.		Jan.		Feb.		Mar.		Apr.		May		June	
					M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
169.	Accidental drowning (in bay of S. F.)	34	34		3		3		7		1		3				2		6		4		2				3	
	(In Pacific Ocean)	4	4		1				1								1										1	
	(In ponds)	3	3		1												1				1				1			
170.	Traumatism by firearms	6	6				3				1		1														1	
171.	Traumatism by cutting or piercing instrument																											
172.	Traumatism by fall—																											
	Over banister	2	2								1		1															
	Into basement	1	1										1															
	From bed	1		1																								1
	From building	9	8	1	1		2	1	1						1				1		1		1					
	Over bulkhead	1	1																1									
	Into bunker	1	1																				1					
	Down elevator shaft	1		1		1																						
	Into excavation	2	2																1		1							
	From fire escape	1		1																								1
	On floor	21	10	11	1	1		1		2	2	1	1	3	2	1		1	1				1		1	1	1	
	From "go-cart"	2	1	1										1													1	
	From ladder	3	2	1									1				1											1
	Down light well	1		1														1										
	From loft	2	2												1												1	
	On pavement	12	8	4			1										1		1		2	2	2	3				
	From pile-driver	1	1														1											
	Into pit	1	1												1													
	From platform	2	2								1										1							
	From porch	1		1																					1			
	Into hold of ship	7	7		1		1						1				1						2				1	
	While skating	1	1														1											
	Through skylight	1	1												1													

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TABLE NO. 1—Continued.

CLASSIFIED LIST OF CAUSES OF DEATHS ARRANGED ACCORDING TO MONTHS.

During the Fiscal Year Ending June 30, 1916.

Causes of Death (International Classification)	Grand Totals	Males	Females	1915												1916											
				July		Aug.		Sept.		Oct.		Nov.		Dec.		Jan.		Feb.		Mar.		Apr.		May		June	
				M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
175d. Injuries by other vehicles—																											
Struck by buggy	1		1								1																
Run over by truck	1	1																				1					
Run over by wagon	2	1	1																			1	1				
Struck by wagon	1	1								1																	
Thrown from wagon	2	2		1																				1			
Struck by bicycle	1	1		1																							
Struck by motorcycle	1		1						1																		
Struck by street-sweeper	1	1								1																	
175e. Landslide—other crushing—																											
By caving sand	2	2																		1		1					
By closing wall-bed	1		1															1									
By swinging boom	1	1														1											
By falling fence	1	1														1											
By falling wall	1	1																								1	
By sling-load of freight	1	1																				1					
By pile-driver hammer	1	1																								1	
176. Injuries by animals—																											
Kicked by horse	3	3						2						1													
177. Starvation																											
178. Excessive cold																											
179. Effects of heat																											
180. Lightning																											
181. Electricity (lightning excepted)	2	2		2																							
182. Homicide by firearms	64	45	19	3		3	1	2	4	2	3	7	2	4	1	3	4	4	2	5	1	2		5	1	5	
183. Homicide by cutting or piercing instruments	8	7	1	1				2		1			1			1				1		1					

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TABLE No. II.

REPORTS OF DEATHS REGISTERED DURING

Causes of Death (International Classification)	Grand Totals	Males	Females	By Under 1 Week		1 Wk. to 1 Mo.		1 Mo. to 6 Mos		6 Mos. to 1 Yr.		1 to 2 Yrs.		2 to 3 Yrs.	
				M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
DEATHS FROM ALL CAUSES.	7,249	4,519	2,730	121	85	45	32	83	59	49	39	79	39	32	42
I. General Diseases	2,064	1,291	773	3	3	3	5	13	9	15	10	32	17	14	20
II. Diseases of Nervous System	567	292	275	....	2	....	1	1	3	3	1	4	2	3	3
III. Diseases of Circulatory System	1,341	803	538	....	....	....	....	1	1	....	2	5	....	....	1
IV. Diseases of Respiratory System	867	548	319	1	1	10	7	28	18	14	18	24	14	9	7
V. Diseases of the Digestive System	550	360	190	1	....	14	5	25	17	15	5	8	2	2	7
VI. Diseases of Genito-Urinary System	731	463	268	1	....	1	....	1	1	....	....	4	....	1	....
VII. The Puerperal State	54	....	54	....	....	....	....	....	....	....	....	....	....	....	....
VIII. Diseases of the Skin	15	10	5	....	....	1	....	....	1	....	....	....	....	....	....
IX. Diseases of the Bones	13	8	5	....	....	....	....	....	....	....	....	....	....	2	....
X. Malformations	49	20	29	9	12	4	4	5	7	1	2	1	3	....	....
XI. Diseases of Early Infancy	202	124	78	105	66	12	10	7	2	....	....	....	....	....	....
XII. Old Age	55	14	41	....	....	....	....	....	....	....	....	....	....	....	....
XIII. Affections Produced by External Causes	740	585	155	1	1	....	....	2	....	1	1	1	1	1	4
XIV. Ill-Defined Diseases	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....
I. General Diseases.															
1. Typhoid fever	26	19	7	....	....	....	....	....	....	....	....	....	....	....	....
2. Typhus fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Relapsing fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
4. Malaria	3	2	1	....	....	....	....	....	....	....	....	....	....	....	....
5. Smallpox	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
6. Measles	1	....	1	....	....	....	....	....	....	....	....	....	....	....	1
7. Scarlet fever	8	6	2	....	....	....	....	....	....	....	1	....	....	....	....
8. Whooping cough	21	8	13	....	....	1	....	3	4	3	4	....	3	1	1
9. Diphtheria	109	61	48	....	....	....	....	....	....	2	1	12	8	6	4
10. Influenza	14	6	8	....	....	....	....	....	....	....	....	....	....	....	....
11. Miliary fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
12. Asiatic cholera	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
13. Cholera nostras	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
14. Dysentery	4	2	2	....	....	....	....	....	....	....	....	....	....	....	....
15. Plague	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
16. Yellow fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
17. Leprosy	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....
18. Erysipelas (idiopathic)	11	6	5	....	....	....	....	....	....	....	1	1	....	....	....
19. Other epidemic diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
20. Purulent infection and septicemia	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Following decubitis	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Following infection, arm	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Following needle prick, finger	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Following scratch on hand	2	2	....	....	....	....	....	....	....	....	....	....	....	....	....
Following infected wound, leg	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Following bruise of foot	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....
Following burn of hand	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....
Following nail scratch of nose	1	1	....	....	....	....	....	1	....	....	....	....	....	....	....
Following infected wound (?)	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Following staphylococcic infection knee	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Following phlegmon of legs	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Following cellulitis of leg	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Following staphylococcic cellulitis	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....
Following streptococcus infection	2	2	....	....	....	....	....	....	....	....	....	....	....	....	....
Pyemia—Following scratch on hand	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Pyemia—Following injury to leg	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Pyemia—Unqualified	1	1	....	....	....	....	....	1	....	....	....	....	....	....	....
21. Glanders	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
22. Anthrax	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
23. Rabies	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
24. Tetanus	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

TABLE No. II—Continued.

FISCAL YEAR ENDING JUNE 30, 1916

Ages																															
3 to 4 Yrs.		4 to 5 Yrs.		Total under 5 Yrs.		5 to 10 Yrs.		10 to 20 Yrs		20 to 30 Yrs.		30 to 40 Yrs.		40 to 50 Yrs.		50 to 60 Yrs.		60 to 70 Yrs.		70 to 80 Yrs		80 to 90 Yrs.		90 to 100 Yrs		Over 100 Yrs.		Unascerta'n'd	
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
21	27	18	20	448	343	68	51	87	84	369	213	588	281	729	341	795	397	707	383	530	393	184	216	11	28	1	.....	2	.....
11	17	9	11	100	92	38	24	26	36	163	84	215	107	239	127	253	144	166	75	76	59	15	24	.....	1	.....	.....	.....	.....
1	1	3	2	15	15	.....	2	6	4	14	2	15	11	35	26	54	49	82	57	57	79	12	29	2	1	.....	.....	.....	.....
.....	.....	1	.....	7	4	6	3	5	8	20	13	54	23	125	51	160	75	193	121	164	144	67	79	2	14	.....	.....	.....	.....
3	3	4	3	93	71	7	9	6	7	26	26	65	23	78	32	75	28	76	39	84	40	36	40	2	4	.....	.....	.....	.....
.....	1	1	1	66	38	5	4	8	10	33	13	59	29	57	25	54	29	45	24	32	10	1	7	.....	1	.....	.....	.....	.....
1	1	.....	1	9	3	.....	1	4	3	18	19	33	35	69	52	103	55	99	52	90	34	36	13	2	1	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	4	.....	26	.....	22	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	1	1	.....	.....	.....	.....	1	2	2	.....	1	1	1	.....	2	.....	2	1	.....	.....	.....	.....	.....	.....	.....	.....
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5	3	.....	2	11	12	11	8	31	10	94	27	144	30	123	22	93	16	43	13	22	8	9	7	2	2	.....	.....	2	.....
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6	9	5	8	31	30	24	12	4	2	1	1	.....	1	.....	2	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
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TABLE No. II—Continued.

REPORT OF DEATHS REGISTERED DURING

Causes of Death (International Classification)	Grand Totals	Males	Females	By Under 1 Week M.	F.	1 Wk. to 1 Mo. M.	F.	1 Mo. to 6 Mos M.	F.	6 Mos. to 1 Yr. M.	F.	1 to 2 Yrs. M.	F.	2 to 3 Yrs. M.	F.
Following infected wound, arm	1		1												
Following wound of hand	1	1													
25. Mycoses (fungoides)	1		1												
26. Pellagra	1	1													
27. Beriberi	1	1													
28. Tuberculosis of the lungs	788	598	190			1			1	1		1	1		2
29. Acute miliary tuberculosis	26	18	8					1		2				2	
30. Tuberculous meningitis	74	47	27					2		3	1	11	4	4	9
31. Abdominal tuberculosis—intestinal	4		4												1
Peritoneal	23	12	11						2		2	2			2
32. Pott's disease—															
(Tuberculosis of spine)	11	6	5											1	
33. White swellings—															
Tuberculosis hip-joint	2	2													
Tuberculosis of joints	1	1													
34. Tuberculosis of other organs—															
Lymph-glands of neck	5	2	3												
Of bones of foot	1	1													
Of kidneys	1		1												
35. Disseminated tuberculosis															
36. Rickets	4	3	1							2		1	1		
Osteomalacia	1		1												
37a. Syphilis—congenital	19	10	9	3	3	1	4	4	2	2					
37b. Syphilis—acquired	27	19	8												
38. Gonococcus infection	2	1	1												
39. Cancer of the buccal cavity															
Of lip	3	3													
Of maxilla	7	7													
Of maxilla (operative shock)	1	1													
Of mouth	1	1													
Of palate	1	1													
Of tongue	11	11													
Sarcoma of maxilla	3	1	2												
40a. Cancer of the stomach	183	127	56												
(Operative shock)	1		1												
(Operative sepsis)	1	1													
Sarcoma of stomach	2	1	1												
40b. Cancer of liver	60	30	30												
(Operative shock)	1	1													
41a. Cancer of the peritonæum, intestines															
Of intestines	49	25	24												
Of intestines (operative shock)	2	1	1												
Sarcoma of intestines	5	4	1												
41b. Cancer of rectum	25	18	7												
(Operative shock)	1		1												
42. Cancer of the female genital organs—															
Of uterus	73		73												
Of uterus (operative shock)	6		6												
Of ovary	6		6												
Of vagina	3		3												
Sarcoma of uterus	1		1												
Sarcoma of vagina	1		1												
43. Cancer of the breast	63		63												
Sarcoma of breast	2		2												
44. Cancer of the skin—															
Of ear	1	1													
Of face	6	6													
Sarcoma of face	1	1													
45. Cancer of other or unspecified organs															
Of bladder (urinary)	9	8	1												
Of groin	1		1												
Of kidney	2	1	1												
Of larynx	7	6	1												
Of lumbar region	1		1												

TABLE No. II—Continued.

FISCAL YEAR ENDING JUNE 30, 1916

Ages

3 to 4 Yrs.		4 to 5 Yrs.		Total under 5 Yrs.		5 to 10 Yrs.		10 to 20 Yrs		20 to 30 Yrs.		30 to 40 Yrs.		40 to 50 Yrs.		50 to 60 Yrs.		60 to 70 Yrs.		70 to 80 Yrs.		80 to 90 Yrs.		90 to 100 Yrs.		Over 100 Yrs.		Unascer-ta'n'd	
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
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1	1	1		5	5	1	3	9	21	118	49	162	57	130	30	106	16	48	5	18	4	1							
	1		1	5	2	1	1	1	3	1	1	3		5	1	2													
3	3	2		25	17	7	3	3	3	4	2	3	1	2	1	3													
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				2	0	2	1	1		3	3	1	1	1		1				1									
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										2	1	3	5	24	9	36	15	38	13	19	10	5	3						
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											1	4	4	4	14	8	7	6	4	6		2							
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												2	1	2	1	10	3	3	1	1	1								
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TABLE No. II.—Continued.

REPORT OF DEATHS REGISTERED DURING

Causes of Death (International Classification)	Grand Totals	Males	Females	By Under 1 Week		1 Wk. to 1 Mo.		1 Mo. to 6 Mos		6 Mos. to 1 Yr.		1 to 2 Yrs.		2 to 3 Yrs.	
				M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
Of lung	4	2	2												
Of mediastinum	3	2	1												
Of neck	7	7													
Of orbit	1	1													
Of penis	2	2													
Of pharnyx	5	5													
Of prostate	8	8													
Of prostate (operative shock)	1	1													
Of spine	1		1												
Of spleen	2	1	1												
Of temporal region	1		1												
Of testicle	1	1													
Of thyreoid	1		1												
Sarcoma—Of arm	1	1													
Of axilla	1	1													
Of brain	4	3	1												
Of brain (operative shock)	1	1													
Of eye	1	1													
Of femur	1		1												
Of groin	1		1												
Of ilium	1	1													
Of kidney	1	1										1			
Of lung	1	1													
Of mediastinum	2	1	1												
Of neck	3	3													
Of orbit	2	2													
Of testicle	1	1													
46. Other tumors (except of female genital organs)															
Of mediastinum	1	1													
Of parotid	1		1												
47. Acute articular rheumatism	5	2	3												
48. Chronic rheumatism and gout	8	5	3												
49. Scurvy															
50. Diabetes	104	51	53												
51. Exophthalmic goitre	11	1	10												
52. Addison's disease	3	2	1												
53. Leukæmia	17	12	5									1			
54. Anæmia, chlorosis	40	15	25												
55. Other general diseases (acidosis)	3	3						1				2			
Purpura hemorrhagica	5	3	2				1								
56. Alcoholism (acute and chronic)	55	41	14												
57. Chronic lead poisoning	2	2													
58. Other chronic occupation poisonings															
59. Other chronic poisonings															
II. Diseases of the Nervous System.															
60. Encephalitis	4	3	1									2			
Abscess of brain	3		3						1						
61. (1) Simple meningitis	17	10	7				1	1		1	1		1		3
Streptococcic meningitis	3	3										1			
(2) Cerebrospinal meningitis	7	4	3						1	1				1	
(3) Epidemic cerebrospinal meningitis	4	2	2							1					
62. Locomotor ataxia	21	17	4												
63. Other diseases of spinal cord—															
Acute ascending paralysis	1	1													
Myelitis, transverse	3	1	2												
Myasthenia gravis	1	1													
Paralysis agitans	2	1	1												
Paralysis, bulbar	5	3	2												
Poliomyelitis	1	1													
Spina bifida	1	1													
Tumor of spinal cord	3	1	2												
Sclerosis-lateral	5	3	2												

TABLE No. II—Continued.

FISCAL YEAR ENDING JUNE 30, 1916

Ages

3 to 4 Yrs.		4 to 5 Yrs.		Total under 5 Yrs.		5 to 10 Yrs.		10 to 20 Yrs		20 to 30 Yrs.		30 to 40 Yrs.		40 to 50 Yrs.		50 to 60 Yrs.		60 to 70 Yrs.		70 to 80 Yrs.		80 to 90 Yrs.		90 to 100 Yrs.		Over 100 Yrs.		Unascer-ta'n'd	
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
																2	1				1								
												1				1	1												
										1		1				2		1		2									
														1															
												1				1													
														1		1		3											
																2		4		1		1							
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												1					1		1										
			1	1	1	1				5	1			3	1	2	1			1									
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				3																									
					1							1	1			1		1											
										4	2	8	6	17	3	5	2	3		3		1	1						
														1				1											
				2				1							1														
					1								1				1												
1		1		4	6		1	2				3		1															
		1		2										1															
	1			2	2					2					1														
				1				1	1						1														
														3		6	3	6	1	2									
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		1		1												1		1		1	1		1						
										1																			
										1					1		1												

TABLE No. II—Continued.

REPORT OF DEATHS REGISTERED DURING

Causes of Death (International Classification)	Grand Totals	Males	Females	By Under 1 Week M.	By Under 1 Week F.	By 1 Wk. to 1 Mo. M.	By 1 Wk. to 1 Mo. F.	By 1 Mo. to 6 Mos M.	By 1 Mo. to 6 Mos F.	By 6 Mos. to 1 Yr. M.	By 6 Mos. to 1 Yr. F.	By 1 to 2 Yrs. M.	By 1 to 2 Yrs. F.	By 2 to 3 Yrs. M.	By 2 to 3 Yrs. F.
64. Cerebral hæmorrhage, apoplexy	390	192	198												
65. Softening of the brain	20	7	13												
66. Paralysis without specified cause	8	4	4												
Hemiplegia	10	4	6												
67. General paralysis of the insane (Paresis)	9	7	2												
68. Other forms of mental alienation (Dementia, praecox)	1	1													
69. Epilepsy	13	7	6												
70. Convulsions (nonpuerperal)															
71. Convulsions of infants	3		3		2				1						
72. Chorea															
73. Neuralgia and neuritis															
74. Other diseases of the nervous system															
Sclerosis of brain	1	1													
Tumor of brain	25	13	12										1	2	
75. Diseases of the eyes and their adnexa															
76. Diseases of the ears (Otitis Media)	6	4	2										1		
III. Diseases of the Circulatory System.															
77. Pericarditis	24	19	5												
78. Acute endocarditis	48	33	15								1	3			
79. Organic diseases of the heart															
(1) Valvular	385	238	147								1	1			
(2) Endocarditis, chronic	139	97	42												
(3) Fatty heart	19	4	15												
(4) Myocarditis, chronic	505	279	226												
80. Angina pectoris	72	46	26												
81. Diseases of arteries, atheroma, aneurysm, etc.															
Aneurism of aorta	28	23	5												
Arterio-sclerosis	91	45	46												
Endarteritis	1	1													
82. Embolism and thrombosis	19	13	6												
83. Diseases of veins (phlebitis)	6	3	3												
84. Diseases of lymphatic system—															
Abscess auxiliary gland	1	1											1		
Adenitis, suppurative	1		1												1
Enlarged thymus	1		1						1						
Status lymphaticus	1	1						1							
85. Hæmorrhage, other diseases of circulatory system															
IV. Diseases of the Respiratory System.															
86. Diseases of the nasal fossæ															
87. Diseases of the larynx (larvngitis)	4	2	2										2		
88. Diseases of the thyreoid body															
89. Acute bronchitis	40	18	22				2	3	3		2	2	1	1	2
90. Chronic bronchitis	27	14	13							1	1				
91. Bronchopneumonia	345	227	118	1	1	7	4	18	9	8	9	15	7	2	2
92. Lobar pneumonia	385	237	148			3	1	7	6	5	6	5	4	4	3
93. Pleurisy	44	36	8									2		2	
94. Pulmonary congestion, pulmonary apoplexy	6	3	3												
95. Gangrene of the lung	4	4													
96. Asthma	10	6	4												
97. Pulmonary emphysema															
98. Other diseases of the respiratory system (tuberculosis excepted)—															
Abscess of lung	2	1	1												
V. Diseases of the Digestive System.															
99. Diseases of mouth and adnexa (gangrenous stomatitis)	1	1													
Pyorrhea alveolaris	1		1												

TABLE No. II—Continued.

FISCAL YEAR ENDING JUNE 30, 1916

Ages

3 to 4 Yrs.		4 to 5 Yrs.		Total under 5 Yrs.		5 to 10		10 to 20 Yrs		20 to 30 Yrs.		30 to 40 Yrs.		40 to 50 Yrs.		50 to 60 Yrs.		60 to 70 Yrs.		70 to 80 Yrs.		80 to 90 Yrs.		90 to 100 Yrs.		Over 100 Yrs.		Unascer-ta'n'd	
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
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TABLE No. II—Continued.

REPORT OF DEATHS REGISTERED DURING

Causes of Death (International Classification)	Grand Totals	Males	Females	By Under 1 Week M.	F.	1 Wk. to 1 Mo. M.	F.	1 Mo. to 6 Mos M.	F.	6 Mos. to 1 Yr. M.	F.	1 to 2 Yrs. M.	F.	2 to 3 Yrs. M.	F.
100. Diseases of the pharynx (tonsillitis, septicemia following)	6	3	3											1	1
Vincents angina	1	1													
101. Diseases of the œsophagus (diverticulum)	1	1													
102. Ulcer of the stomach	40	31	9												
(Operative shock)	3	3													
(Operative sepsis)	1	1													
103. Other diseases of stomach (cancer excepted)—															
Gastritis, acute	10	7	3			1						2	1		
Dilation of stomach	1		1												
104. Diarrhœa and enteritis (und. 2 yrs.)															
Cholera infantum	3	2	1					2	1						
Diarrhea	8	7	1					5	1	2					
Enteritis	7	6	1			1		2	1	2		1			
Entero-colitis	5	3	2			1		1	1	1			1		
Gastro-enteritis	52	32	20			9	5	12	12	8	3	3			
Ileo-colitis	4	3	1	1		1				1	1				
105. Diarrhœa and enteritis (2 years and over)—															
Diarrhea	1		1												
Enteritis	5	2	3											1	1
Gastro-enteritis	15	7	8												3
Ileo-colitis	2		2												1
Duodenal ulcer	15	12	3												
(Operative shock)	1	1													
106. Ankylostomiasis															
107. Intestinal parasites (Trichinosis)	1	1													
108. Appendicitis	96	63	33												1
(Operative shock)	3		3												
109a. Hernias	16	10	6									1			
(Operative shock)	4	4													
109b. Intestinal obstructions	43	26	17			1		1			1				
(Operative shock)	5	2	3												
Intussusception	6	5	1					2	1	1		1			
Volvulus	5	1	4												
110. Other diseases of the intestines (fecal fistula)	3	3													
Ischiorectal abscess	1	1													
Ulcer duodenum	5	4	1												
(Operative shock)	1		1												
Tumor of intestines	1	1													
Prolapse of rectum	1		1												
Stricture rectum	1	1													
Coccidioidal granuloma	1	1													
111. Acute yellow atrophy of the liver	3	3													
112. Hydatid tumor of the liver (operative shock)	1	1													
113. Cirrhosis of the liver	110	79	31												
114. Biliary calculi	24	9	15												
(Operative shock)	6		6												
(Operative sepsis)	1	1													
115. Other diseases of the liver (abscess of)	5	5													
Inflammation of	3	3													
Cholecystitis	9	4	5												
Gangrene of gall bladder	1		1												
Rupture of gall bladder	2	1	1												
116. Diseases of the spleen (abscess of)	1	1													
117. Simple peritonitis	1	1													
118. Other diseases of digestive system (excepting tuberculosis, cancer)															
Sub-phrenic abscess	2	1	1												
Hemorrhagic pancreatitis	5	5													

TABLE No. II—Continued.

FISCAL YEAR ENDING JUNE 30, 1916

Ages

3 to 4 Yrs.		4 to 5 Yrs.		Total under 5 Yrs.		5 to 10 Yrs.		10 to 20 Yrs		20 to 30 Yrs.		30 to 40 Yrs.		40 to 50 Yrs.		50 to 60 Yrs.		60 to 70 Yrs.		70 to 80 Yrs		80 to 90 Yrs.		90 to 100 Yrs.		Over 100 Yrs.		Unascerta'n'd	
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
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										2	1	12	7	20	6	22	7	15	9	8	1								
												1	1	1	2	3	7	2	4	2	1								
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																		1	1										
																	2												
											1						2	1	1										

TABLE No. II—Continued.

REPORT OF DEATHS REGISTERED DURING

Causes of Death (International Classification)	Grand Totals	Males	Females	By Under 1 Week		1 Wk. to 1 Mo.		1 Mo. to 6 Mos		6 Mos. to 1 Yr.		1 to 2 Yrs.		2 to 3 Yrs.	
				M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
VI. Diseases of the Genito-Urinary System.															
119. Acute nephritis	49	28	21	1		1		1	1			3		1	
120. Bright's disease	585	387	198									1			
121. Chyluria															
122. Other diseases of the kidneys and adnexa (Hydronephrosis)	1	1													
Pyelitis	4	4													
Pyelonephritis	3	2	1												
Pyonephrosis	6	5	1												
Cystic kidney (operative shock)	2	2													
Tumor of kidney	2	1	1												
123. Calculi of the urinary passage	2	1	1												
(Operative shock)	1	1													
124. Diseases of the bladder—															
Abscess of	1		1												
Chronic cystitis	12	10	2												
125. Diseases of the uretha (stricture of)	2	2													
126. Diseases of the prostate (hypertrophy of)	11	11													
(Operative shock)	3	3													
Abscess of prostate	1	1													
Tumor of prostate	1	1													
Prostatitis	3	3													
127. Nonvenereal diseases of male genital organs															
128. Uterine hæmorrhage (nonpuerperal)															
129. Uterine tumor (noncancerous)—															
Fibro-myoma of	10		10												
(Operative shock)	4		4												
130. Other diseases of the uteras (prolapse of)	2		2												
Pelvic abscess	1		1												
Septicemia following infection (nonpuerperal)	1		1												
Menopause	2		2												
131. Cysts and other tumors of the ovary	7		7												
132. Salpingitis	12		12												
(Operative shock)	1		1												
Tubo-ovarian cyst	2		2												
133. Nonpuerperal diseases of the breast (cancer excepted)															
VII. The Puerperal State.															
134. Accidents of pregnancy—															
Abortion (self-induced)	6		6												
Abortion (criminal)	8		8												
Extra uterine pregnancy	4		4												
Pernicious vomiting of	1		1												
135. Puerperal hæmorrhage (placenta previa)	4		4												
136. Other accidents of labor															
Cesarian section	1		1												
Prolonged labor	1		1												
137. Puerperal septicæmia	12		12												
138. Puerperal albuminuria and convulsions	15		15												
139. Puerperal sudden death (acute myocarditis)	1		1												
Puerperal phlebitis)	1		1												
140. Following childbirth (not otherwise specified)															
141. Puerperal diseases of the breast															

TABLE No. II—Continued.

FISCAL YEAR ENDING JUNE 30, 1916

Ages																																					
3 to 4 Yrs.		4 to 5 Yrs.		Total under 5 Yrs.		5 to 10 Yrs.		10 to 20 Yrs		20 to 30 Yrs.		30 to 40 Yrs.		40 to 50 Yrs.		50 to 60 Yrs.		60 to 70 Yrs.		70 to 80 Yrs		80 to 90 Yrs.		90 to 100 Yrs.		Over 100 Yrs.		Unascer-ta'n'd									
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.								
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TABLE No. II—Continued.

REPORT OF DEATHS REGISTERED DURING

Causes of Death (International Classification)	Grand Totals	Males	Females	By Under 1 Week		1 Wk. to 1 Mo.		1 Mo. to 6 Mos		6 Mos. to 1 Yr.		1 to 2 Yrs.		2 to 3 Yrs.	
				M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.[1]
VIII. Diseases of the Skin.															
142. Gangrene (of foot)	3	2	1												
Raynaud's disease	1	1													
143. Furuncle (carbuncle)	1	1													
Carbuncle (septicemia following)	1	1													
144. Acute abscess (multiple)	1	1													
Of cervical glands	1	1													
Cellulitis face (scratch of nail)	1		1												
Cellulitis hand (septicemia fol.)	1		1												
Pemphigus neonatorum	1	1				1									
Pemphigus foleaceas	1		1												
Ulcer leg (septicemia following)	1	1													
Pituriasis rubia	1	1													
Impetigo (septicemia following)	1		1							1					
IX. Diseases of the Bones.															
146. Diseases of the bones (tuberculosis excepted)—															
Mastoiditis	3	2	1											1	
(Septicemia following)	4	3	1											1	
Necrosis maxilla (operative shock)	1		1												
Osteomyelitis tibia	1	1													
147. Diseases of the joints (excepting tuberculosis and rheumatism—															
Purulent arthritis	2	1	1												
Arthropathy hip (operative shock)	1	1													
Congenital dislocation hip (operative shock)	1		1												
148. Amputations															
149. Other diseases of the organs of locomotion															
X. Malformations.															
150. (1) Hydrocephalus	5	1	4			1			1	1		1			
(2) Congenital malformation of heart	22	9	13	8	6	1	4			3					
(3) Other congenital malformations															
Cleft palate	4		4		2					1		1			
Imperforate anus	3	2	1	1	1	1									
Microcephalus	1		1											1	
Pyloric stenosis	5	5				1		3				1			
(Operative shock)	2	1	1							1				1	
Spina bifida	4	2	2		2	1		1							
(Operative shock)	1		1							1					
Malformation urinary bladder	1		1											1	
Arrest of development	1		1							1					
XI. Diseases of Early Infancy.															
151. (1) Premature birth	125	77	48	65	42	9	5	3	1						
(2) Congenital debility, "atrophy," "marasmus," etc.	5	3	2	3			1		1						
Icterus neonatorum	2	1	1	1		1									
Maldevelopment	1		1		1										
152. Other diseases peculiar to early infancy—															
(1) Injuries at birth (instrumental delivery)	15	12	3	11	3			1							
Breech presentation	1	1		1											
Placenta previa	3	2	1	2	1										
(2) Asphyxia neonatorum	6	4	2	4	2										
Atelectasis neonatorum	26	10	16	15	10			1							
Hemophilia neonatorum	8	2	6		6	2									
Hemorrhage from circumcision	1	1		1											

TABLE No. II—Continued.

FISCAL YEAR ENDING JUNE 30, 1916

Ages																															
3 to 4 Yrs.		4 to 5 Yrs.		Total under 5 Yrs.		5 to 10 Yrs.		10 to 20 Yrs		20 to 30 Yrs.		30 to 40 Yrs.		40 to 50 Yrs.		50 to 60 Yrs.		60 to 70 Yrs.		70 to 80 Yrs.		80 to 90 Yrs.		90 to 100 Yrs.		Over 100 Yrs.		Unascer-ta'n'd	
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
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				16	10																								
				2	6																								
				1																									

TABLE No. II—Continued.

REPORT OF DEATHS REGISTERED DURING

	Causes of Death (International Classification)	Grand Totals	Males	Females	By Under 1 Week		1 Wk. to 1 Mo.		1 Mo. to 6 Mos		6 Mos. to 1 Yr.		1 to 2 Yrs.		2 to 3 Yrs.	
					M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
	Hemorrhage umbilicus	1	1				1									
	Melena neonatorum	1	1		1											
	Inspiration of food	1		1				1								
	Inspiration of vomit	1	1						1							
	Infection umbilicus	2		2		1		1								
	Suffocation under bedclothes	2	2		1				1							
	Suffocation (overlaid)	1		1				1								
153.	Lack of care															
	XII. Old Age.															
154.	Senility	55	14	41												
	XIII. Affections Produced by External Causes															
155.	Suicide by poison—															
	Arsenic	1	1													
	Bi-chloride mercury	5		5												
	Carbolic acid	7	5	2												
	Chloroform	1		1												
	Cyanide potassium	13	12	1												
	Lysol	5	4	1												
	Strychnine	3	2	1												
	Undetermined poison	1		1												
156.	Suicide by asphyxia (illuminating gas)	56	45	11												
157.	Suicide by hanging or strangulation	15	14	1												
158.	Suicide by drowning	14	11	3												
159.	Suicide by firearms	98	89	9												
160.	Suicide by cutting or piercing instruments	18	16	2												
161.	Suicide by jumping from a high place (from bridge)	1	1													
	From fire escape	1	1													
	From pile driver	1	1													
	From window	10	7	3												
162.	Suicide by crushing															
163.	Other suicides															
164.	Poisoning by food (ptomaines)—															
	From eating clams	2		2												
	Crab salad	1		1												
	Unknown	2	1	1												
165.	Other acute poisonings—															
	Arsenic (accidentally self-administered)	1		1												
	Bi-chloride mercury (accidentally self-administered)	3	1	2												
	Cyanide (accidentally self-administered)	1	1													
	Morphine (accidentally self-administered)	1	1													
	Muriatic acid (accidentally self-administered)	1	1													
	Opium (accidentally self-administered)	1		1												
	Strychnine manner unknown	1		1												
	Unknown poison (manner unknown)	1		1												
166.	Conflagration (in burning building)	12	3	9												1
167.	Burns (conflagration excepted)—															
	Playing with matches	3	1	2												
	From gas stove	1		1												
	From open grate	1		1												
	From wood stove	1		1												
	From gasoline stove	1		1												
	From vaporizer	1	1						1							

TABLE No. II—Continued.

FISCAL YEAR ENDING JUNE 30, 1916

Ages																																			
3 to 4 Yrs.		4 to 5 Yrs.		Total under 5 Yrs.		5 to 10 Yrs.		10 to 20 Yrs		20 to 30 Yrs.		30 to 40 Yrs.		40 to 50 Yrs.		50 to 60 Yrs.		60 to 70 Yrs.		70 to 80 Yrs.		80 to 90 Yrs.		90 to 100 Yrs.		Over 100 Yrs.		Unascer-ta'n'd							
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.						
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TABLE No. II—Continued.

REPORT OF DEATHS REGISTERED DURING

	Causes of Death (International Classification)	Grand Totals	Males	Females	By Under 1 Week M.	F.	1 Wk. to 1 Mo. M.	F.	1 Mo. to 6 Mos M.	F.	6 Mos. to 1 Yr. M.	F.	1 to 2 Yrs. M.	F.	2 to 3 Yrs. M.	F.
	From electric hot plate	1	1										1			
	From explosion kerosene lamp	2	1	1												
	Lighting fire with kerosene	1		1												
	From explosion distillate	2	2													
	From scalding water	3	2	1											1	1
	From boiling grease	1		1												
168.	Absorption of deleterious gases (conflagration excepted)—															
	(1) Illuminating gas (accidental)	52	43	9												
	(2) Anesthesia (ether during operation)	1	1													
	(Not stated) (during operation)	1	1													
169.	Accidental drowning (in bay of S. F.)	34	34													
	(In Pacific Ocean)	4	4													
	(In ponds)	3	3													
170.	Traumatism by firearms	6	6													
171.	Traumatism by cutting or piercing instrument															
172.	Traumatism by fall—															
	Over banister	2	2													
	Into basement	1	1													
	From bed	1		1												
	From building	9	8	1												
	Over bulkhead	1	1													
	Into bunker	1	1													
	Down elevator shaft	1		1												
	Into excavation	2	2													
	From fire escape	1		1												
	On floor	21	10	11												
	From "go-cart"	2	1	1							1	1				
	From ladder	3	2	1												
	Down light well	1		1												
	From loft	2	2													
	On pavement	12	8	4												
	From pile-driver	1	1													
	Into pit	1	1													
	From platform	2	2													
	From porch	1		1												
	Into hold of ship	7	7													
	While skating	1	1													
	Through skylight	1	1													
	From staging	2	2													
	Down stairs	17	13	4											1	
	From telegraph pole	1	1													
	From window	7	3	4					1							1
	On iron stake	1	1													
173.	Traumatism in mines and quarries (Explosion in mine)	1	1													
	In mine, fracture spine (manner unknown)	2	2													
	In quarry, fracture spine (manner unknown)	1	1													
174.	Traumatism by machines—															
	Crushed by elevators	4	4													
	Crushed by elevator counterweight	2	2													
	In elevator machinery	1	1													
	Struck by broken belt	1	1													
	Crushed by traveling crane	1	1													
175a.	Railroad accidents and injuries—															
	Struck by locomotive	1	1													
	Run over by train	6	6													
	Run over by freight car	1	1													
	Fall from handcar	1	1													
	Fall from locomotive	1	1													
	Crushed betwen freight cars	2	2													
	Crushed between car and platform	1	1													

TABLE NO. II—Continued.

FISCAL YEAR ENDING JUNE 30, 1916

Ages																															
3 to 4 Yrs.		4 to 5 Yrs.		Total under 5 Yrs.		5 to 10 Yrs.		10 to 20 Yrs		20 to 30 Yrs.		30 to 40 Yrs.		40 to 50 Yrs.		50 to 60 Yrs.		60 to 70 Yrs.		70 to 80 Yrs		80 to 90 Yrs.		90 to 100 Yrs.		Over 100 Yrs.		Unascerta'n'd	
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
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TABLE No. II—Continued.

REPORT OF DEATHS REGISTERED DURING

Causes of Death (International Classification)	Grand Totals	Males	Females	By Under 1 Week M.	F.	1 Wk. to 1 Mo. M.	F.	1 Mo. to 6 Mos M.	F.	6 Mos. to 1 Yr. M.	F.	1 to 2 Yrs. M.	F.	2 to 3 Yrs. M.	F.
175b. Street car accidents and injuries—															
Struck by cable car	2	1	1												
Fall from electric car	1	1													
Run over by electric car	4	2	2												
Struck by electric car	24	20	4												
Hurled from runaway car	1		1												
Collision between electric car and wagon	6	6													
175c. Automobile accidents and injuries—															
Run over by auto	4	4													
Struck by auto	39	31	8												
Crushed by overturning auto	5	4	1												
Fall from moving auto	3	3													
Collision bet. auto and electric car	6	5	1												
Collision bet. auto and motorcycle	2	2													
Injured by exploding tire	1	1													
175d. Injuries by other vehicles—															
Struck by buggy	1		1												
Run over by truck	1	1													
Run over by wagon	2	1	1												
Struck by wagon	1	1													
Thrown from wagon	2	2													
Struck by bicycle	1	1													
Struck by motorcycle	1		1												
Struck by street-sweeper	1	1													
175e. Landslide—other crushing—															
By caving sand	2	2													
By closing wall-bed	1		1												
By swinging boom	1	1													
By falling fence	1	1													
By falling wall	1	1													
By sling-load of freight	1	1													
By pile-driver hammer	1	1													
176. Injuries by animals—															
Kicked by horse	3	3													
177. Starvation															
178. Excessive cold															
179. Effects of heat															
180. Lightning															
181. Electricity (lightning excepted)	2	2													
182. Homicide by firearms	64	45	19												
183. Homicide by cutting or piercing instruments	8	7	1												
184. Homicides by other means (blows)	7	7													
By gas asphyxiation	1	1													
By strangulation	1		1												
Infanticide	2	1	1	1	1										
185. Fractures—															
Of leg, by falling casting	1	1													
Of skull, by coal bucket	1	1													
Of skull, manner unknown	2	2													
Of spine, struck by beam	1	1													
186. Other external violence—															
Hem. brain, struck by baseball	1	1													
Hem. brain, manner unknown	2	2													
Hem. pleural cavity, manner unknown	1	1													
Foreign body in bronchi	1		1												
Foreign body in stomach	1	1													
Rupture spleen, manner unknown	1	1													
XIV. Ill-Defined Diseases.															
187. Ill-defined organic disease															
188. Sudden death															
189. (1) Cause of death ill-defined															
(2) Cause of death not specified, or unknown															
Decomposed remains	1	1													

TABLE No. II—Continued.

FISCAL YEAR ENDING JUNE 30, 1916

Ages																															
3 to 4 Yrs.		4 to 5 Yrs.		Total under 5 Yrs.		5 to 10 Yrs.		10 to 20 Yrs		20 to 30 Yrs.		30 to 40 Yrs.		40 to 50 Yrs.		50 to 60 Yrs.		60 to 70 Yrs.		70 to 80 Yrs		80 to 90 Yrs.		90 to 100 Yrs.		Over 100 Yrs.		Unascer-ta'n'd	
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
																		1	1										
								1		1	1		1			1													
						2	1			1		5		3		4	1	3		1	2	1							
									1																				
												2				1		2		1									
1				1		1						1								1									
						3	1	3		3		7	2	3	1	5		1	3	3		2	1	1					
											1	3		1															
										1		1		1															
								1		1		1	1	2															
								1		1																			
										1																			
																		1					1						
					1	1																							
																						1							
						1				1		1																	
									1																				
1				1												1													
																	1												
														1															
														1															
												1																	
										1																			
						1						2																	
								1				1																	
								3	3	10	9	12	6	12		7	1			1									
										3	1	2						1										1	
										2		3		2															
																1													
																	1												
					1	1																							
												1		1															
												2																	
											1																		
								1						1								1							
							1									1													
												1																	
																1													
																	1												

TABLE No. III.

REPORT OF DEATHS REGISTERED DURING

Causes of Death (International Classification)	Grand Totals	Males	Females	Social					
				Single		Married		Widowed	
				M.	F.	M.	F.	M.	F.
DEATHS FROM ALL CAUSES.	7,249	1,519	2,730	1,925	709	1,670	1,009	577	947
I. General Diseases	2,064	1,291	773	641	227	469	330	124	197
II. Diseases of Nervous System	567	292	275	90	41	142	90	49	132
III. Diseases of Circulatory System	1,341	803	538	238	64	357	162	145	300
IV. Diseases of Respiratory System	867	548	319	263	116	140	85	95	115
V. Diseases of the Digestive System	550	360	190	179	64	133	76	27	44
VI. Diseases of Genito-Urinary System	731	463	268	131	40	223	128	85	93
VII. The Puerperal State	54		54		2		49		1
VIII. Diseases of the Skin	15	10	5	4	1	4	3	1	1
IX. Diseases of the Bones	13	8	5	5	2	3	3		
X. Malformations	49	20	29	20	29				
XI. Diseases of Early Infancy	202	124	78	124	78				
XII. Old Age	55	14	41	4	2	3	5	6	34
XIII. Affections Produced by External Causes	740	585	155	226	43	196	72	45	30
XIV. Ill-Defined Diseases	1	1							
I. General Diseases.									
1. Typhoid fever	26	19	7	10	5	7	1	1	
2. Typhus fever									
3. Relapsing fever									
4. Malaria	3	2	1	2			1		
5. Smallpox									
6. Measles	1		1		1				
7. Scarlet fever	8	6	2	6	1		1		
8. Whooping cough	21	8	13	8	13				
9. Diphtheria	109	61	48	59	44	2	2		2
10. Influenza	14	6	8		1	5	1	1	6
11. Miliary fever									
12. Asiatic cholera									
13. Cholera nostras									
14. Dysentery	4	2	2					2	2
15. Plague									
16. Yellow fever									
17. Leprosy	1	1		1					
18. Erysipelas (idiopathic)	11	6	5	2	2	3	1	1	1
19. Other epidemic diseases									
20. Purulent infection and septicemia									
Following decubitis	1	1							
Following infection, arm	1	1		1					
Following needle prick, finger	1	1				1			
Following scratch on hand	2	2		1		1			
Following infected wound, leg	1	1		1					
Following bruise of foot	1		1		1				
Following burn of hand	1		1						1
Following nail scratch of nose	1	1		1					
Following infected wound (?)	1	1				1			
Following staphylococcic infection knee	1	1				1			
Following phlegmon of legs	1	1		1					
Following cellulitis of leg	1	1		1					
Following staphylococcic cellulitis	1		1		1				
Following streptococcus infection	2	2		1					
Pyemia—Following scratch on hand	1	1						1	
Pyemia—Following injury to leg	1	1				1			
Pyemia—Unqualified	1	1		1					
21. Glanders									
22. Anthrax									
23. Rabies									
24. Tetanus									

TABLE NO. III

FISCAL YEAR ENDING JUNE 30, 1916

Relation				Color								Nativity									
Divorced		Unascertained		White		Chinese		Japanese		African		San Francisco		Other Parts of Cal		Other States		Foreign		Unascerta'n'd	
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F	M.	F.
71	49	276	16	1,178	2,649	233	32	58	25	50	24	619	470	572	449	1,006	621	2,126	1,164	196	26
15	13	42	6	1,154	750	82	13	27	5	28	5	169	150	218	182	285	177	589	257	30	7
4	6	7	.....	276	269	17	3	3	2	2	1	21	24	38	33	73	72	156	143	4	3
12	7	51	5	744	529	52	3	1	1	6	3	43	24	66	41	214	135	446	333	34	5
9	1	41	2	526	306	13	3	7	5	2	3	90	85	64	42	110	56	257	134	27	2
6	6	15	.....	339	187	15	1	5	1	1	1	67	43	68	43	73	45	144	59	8	.....
10	7	14	.....	423	261	30	2	3	3	7	2	34	19	39	61	133	74	251	112	6	2
.....	1	.....	1	.....	51	.....	.....	.....	1	.....	2	.....	9	.....	8	.....	12	.....	22	.....	3
.....	.....	1	.....	10	3	.....	.....	.....	2	.....	.....	2	1	.....	1	1	1	7	2	.....	.....
.....	.....	.....	.....	7	5	1	.....	.....	.....	.....	.....	2	.....	3	4	.....	.....	3	1	.....	.....
.....	.....	.....	.....	18	28	.....	1	2	.....	.....	.....	15	21	5	8	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	120	72	1	2	3	4	.....	.....	117	74	7	4	.....	.....	.....	.....	.....	.....
.....	.....	1	.....	14	41	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	7	11	34	.....	.....
15	8	103	2	552	147	22	4	7	1	4	3	59	20	64	22	114	42	261	67	87	4
.....	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
.....	1	1	.....	18	6	1	1	.....	.....	.....	.....	.....	2	4	3	1	.....	14	1	.....	
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	2	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	5	2	1	.....	.....	.....	.....	.....	3	1	1	.....	1	1	1	.....	.....	.....
.....	.....	.....	.....	8	12	.....	.....	.....	.....	.....	1	8	10	.....	3	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	61	47	.....	1	.....	.....	.....	.....	40	23	15	18	4	4	2	3	.....	.....
.....	.....	.....	.....	6	8	.....	.....	.....	.....	.....	.....	.....	.....	2	1	1	3	3	4	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	1	1	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
.....	.....	.....	1	6	5	.....	.....	.....	.....	.....	.....	1	1	3	.....	2	3	.....	1	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1	.....	.....	.....
.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	1	.....	2	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1	.....	.....	.....	.....	.....
.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

TABLE No. III—Continued
REPORT OF DEATHS REGISTERED DURING

	Causes of Death (International Classification)	Grand Totals	Males	Females	Social					
					Single		Married		Widowed	
					M.	F.	M.	F.	M.	F.
	Following infected wound, arm	1		1				1		
	Following wound of hand	1	1		1					
25.	Mycoses (fungoides)	1		1						1
26.	Pellagra	1	1		1					
27.	Beriberi	1	1				1			
28.	Tuberculosis of the lungs	788	598	190	332	64	182	93	46	26
29.	Acute miliary tuberculosis	26	18	8	10	5	8	3		
30.	Tuberculous meningitis	74	47	27	39	23	6	4	1	
31.	Abdominal tuberculosis—intestinal	4		4		3		1		
	Peritoneal	23	12	11	10	7	2	4		
32.	Pott's disease—									
	(Tuberculosis of spine)	11	6	5	3	2	3	3		
33.	White swellings—									
	Tuberculosis hip-joint	2	2				1			
	Tuberculosis of joints	1	1				1			
34.	Tuberculosis of other organs—									
	Lymph-glands of neck	5	2	3	1	3	1			
	Of bones of foot	1	1		1					
	Of kidneys	1		1		1				
35.	Disseminated tuberculosis									
36.	Rickets	4	3	1	3	1				
	Osteomalacia	1		1						1
37a.	Syphilis—congenital	19	10	9	10	9				
37b.	Syphilis—acquired	27	19	8	6	2	10	6	3	
38.	Gonococcus infection	2	1	1	1					
39.	Cancer of the buccal cavity									
	Of lip	3	3				1		2	
	Of maxilla	7	7		3		4			
	Of maxilla (operative shock)	1	1						1	
	Of mouth	1	1						1	
	Of palate	1	1				1			
	Of tongue	11	11		4		5		2	
	Sarcoma of maxilla	3	1	2		1			1	1
40a.	Cancer of the stomach	183	127	56	33	3	64	24	26	28
	(Operative shock)	1		1		1				
	(Operative sepsis)	1	1				1			
	Sarcoma of stomach	2	1	1		1	1			
40b.	Cancer of liver	60	30	30	5	3	18	14	5	12
	(Operative shock)	1	1				1			
41a.	Cancer of the peritonæum, intestines									
	Of intestines	49	25	24	4	1	15	13	5	10
	Of intestines (operative shock)	2	1	1			1	1		
	Sarcoma of intestines	5	4	1			4	1		
41b.	Cancer of rectum	25	18	7	3	1	13	2	1	4
	(Operative shock)	1		1				1		
42.	Cancer of the female genital organs—									
	Of uterus	73		73		3		43		25
	Of uterus (operative shock)	6		6				3		3
	Of ovary	6		6		3		2		1
	Of vagina	3		3				2		1
	Sarcoma of uterus	1		1				1		
	Sarcoma of vagina	1		1				1		
43.	Cancer of the breast	63		63		7		33		20
	Sarcoma of breast	2		2						2
44.	Cancer of the skin—									
	Of ear	1	1		1					
	Of face	6	6				4		2	
	Sarcoma of face	1	1				1			
45.	Cancer of other or unspecified organs									
	Of bladder (urinary)	9	8	1	4		4	1		
	Of groin	1		1						1
	Of kidney	2	1	1	1			1		
	Of larynx	7	6	1	1		4	1	1	
	Of lumbar region	1		1						1

TABLE NO. III—Continued.
FISCAL YEAR ENDING JUNE 30, 1916

Relation				Color								Nativity									
Divorced		Unascertained		White		Chinese		Japanese		African		San Francisco		Other Parts of Cal		Other States		Foreign		Unascert'n'd	
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F	M.	F.
					1										1						
				1												1					
					1												1				
				1										1							
								1										1			
8	4	30	3	516	184	48	3	15	1	19	2	48	40	114	64	140	35	274	46	22	5
				15	7	2			1	1		3	5	8	2	4	1	3			
		1		39	24	2	2	4	1	2		24	12	10	9	5	3	7	3	1	
					4								1		2		1				
				8	10	1		1	1	2		2	4	3	3	2	1	5	4		
				5	4			1			1			4	2	1	2	1	1		
		1		1						1						1		1			
				1												1					
				2	3									1				1	3		
				1										1							
					1								1								
				3	1							2	1	1							
					1												1				
				8	8	1	1	1				6	6	4	3						
				16	7	3	1					1		3	2	3	1	12	5		
			1	1	1											1					1
				3										1		1		1			
				7										3		4					
				1														1			
				1												1					
				1												1					
				11										2		1		8			
				1	2										1			1	1		
2	1	2		119	55	5		2		1	1	6	3	8	6	35	19	76	28	2	
					1														1		
				1												1					
				1	1									1				1			
1	1	1		22	29	8	1						1	1	3	8	7	21	19		
				1														1			
1				24	24	1							2	1	5	7	10	17	7		
				1	1										1			1			
				4	1									1	1	1		2			
		1		17	7			1				1	1	2	1	8	2	6	3	1	
					1														1		
	1		1		73								5		10		22		36		
					6								1				1		4		
					6												1		5		
					3										1		1		1		
					1														1		
					1														1		
	3				61		2						8		11		22		22		
					2												1		1		
				1														1			
				6												2		4			
				1														1			
				7	1					1		1				2		5	1		
					1														1		
				1	1									1	1						
				6	1											1		5	1		
					1														1		

TABLE NO. III—Continued.
REPORT OF DEATHS REGISTERED DURING

	Causes of Death (International Classification)	Grand Totals	Males	Females	Social					
					Single		Married		Widowed	
					M.	F.	M.	F.	M.	F.
	Of lung	4	2	2			1	1		1
	Of mediastinum	3	2	1	2			1		
	Of neck	7	7		3		3			
	Of orbit	1	1		1					
	Of penis	2	2				2			
	Of pharnyx	5	5		1		3		1	
	Of prostate	8	8				4		4	
	Of prostate (operative shock)	1	1				1			
	Of spine	1		1		1				
	Of spleen	2	1	1	1			1		
	Of temporal region	1		1						1
	Of testicle	1	1				1			
	Of thyreoid	1		1		1				
	Sarcoma—Of arm	1	1						1	
	Of axilla	1	1						1	
	Of brain	4	3	1	3	1				
	Of brain (operative shock)	1	1		1					
	Of eye	1	1		1					
	Of femur	1		1				1		
	Of groin	1		1				1		
	Of ilium	1	1				1			
	Of kidney	1	1		1					
	Of lung	1	1		1					
	Of mediastinum	2	1	1			1	1		
	Of neck	3	3		1		2			
	Of orbit	2	2		1				1	
	Of testicle	1	1		1					
46.	Other tumors (except of female genital organs)									
	Of mediastinum	1	1				1			
	Of parotid	1		1				1		
47.	Acute articular rheumatism	5	2	3	1	1	1	2		
48.	Chronic rheumatism and gout	8	5	3		1	3	1	2	1
49.	Scurvy									
50.	Diabetes	104	51	53	13	3	32	23	5	27
51.	Exophthalmic goitre	11	1	10		1	1	6		3
52.	Addison's disease	3	2	1			2	1		
53.	Leukæmia	17	12	5	10	1	2	2		2
54.	Anæmia, chlorosis	40	15	25	6	2	8	14	1	9
55.	Other general diseases (acidosis)	3	3		3					
	Purpura hemorrhagica	5	3	2		2	3			
56.	Alcoholism (acute and chronic)	55	41	14	16		17	8	5	4
57.	Chronic lead poisoning	2	2		1		1			
58.	Other chronic occupation poisonings									
59.	Other chronic poisonings									
II.	**Diseases of the Nervous System.**									
60.	Encephalitis	4	3	1	3	1				
	Abscess of brain	3		3		1		2		
61.	(1) Simple meningitis	17	10	7	9	7	1			
	Streptococcic meningitis	3	3		2		1			
	(2) Cerebrospinal meningitis	7	4	3	3	2	1	1		
	(3) Epidemic cerebrospinal meningitis	4	2	2	2	1				1
62.	Locomotor ataxia	21	17	4	3		8	3	5	1
63.	Other diseases of spinal cord—									
	Acute ascending paralysis	1	1				1			
	Myelitis, transverse	3	1	2	1			1		1
	Myasthenia gravis	1	1				1			
	Paralysis agitans	2	1	1			1	1		
	Paralysis, bulbar	5	3	2			1	1	1	1
	Poliomyelitis	1	1		1					
	Spina bifida	1	1		1					
	Tumor of spinal cord	3	1	2	1			1		1
	Sclerosis-lateral	5	3	2			3	1		1

TABLE NO. III—Continued.
FISCAL YEAR ENDING JUNE 30, 1916

Relation				Color								Nativity									
Divorced		Unascertained		White		Chinese		Japanese		African		San Francisco		Other Parts of Cal		Other States		Foreign		Unascert'n'd	
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F	M.	F.
1				2	2									1		1		1	1		
				2	1							1			1			1			
		1		7								1				3		3			
				1												1					
				2												1		1			
				4		1								1				4			
				8												2		6			
				1														1			
					1								1								
				1	1													1	1		
					1												1				
				1														1			
					1										1						
				1												1					
				3					1			1			1	1				1	
				1												1					
				1										1							
					1										1						
					1								1								
				1								1						1			
				1																	
				1														1			
				1	1										1			1			
				3								1		2							
				1		1												2			
				1														1			
				1														1			
					1														1		
				2	3						1		1		2			2			
				4	3									1				4	3		
		1		48	53	3						3	5	5	3	9	17	32	28	2	
				1	10								1	1	4		2		3		
				2	1								1					2			
				10	5	1		1				1		3	3	1		7	2		
				14	25	1							5	1	3	6	9	8	8		
				3								3									
				2	1	1	1					1	1	1	1	1					
2	2	1		41	14							7	2	4	6	11	3	19	3		
				2														1		1	
				3	1							3							1		
					1		1		1				1		1				1		
				8	5		1	2	1			3	6	4	1	2		1			
				3										3							
				4	2		1						2	3				1	1		
				2	2									1	1			1			1
		1		16	4			1					1	2		7	2	8	1		
				1										1							
				1	2											1	1		1		
				1														1			
				1	1													1	1		
1				3	2											3	1		1		
				1										1							
				1														1			
				1	2									1	1				1		
				3	2								1	1		1		1	1		

TABLE NO. III—Continued.

REPORT OF DEATHS REGISTERED DURING

Causes of Death (International Classification)	Grand Totals	Males	Females	Social					
				Single		Married		Widowed	
				M.	F.	M.	F.	M.	F.
64. Cerebral hæmorrhage, apoplexy	390	192	198	46	15	98	70	40	109
65. Softening of the brain	20	7	13	1	1	4	2	1	10
66. Paralysis without specified cause	8	4	4	2		2	1		3
Hemiplegia	10	4	6		2	4	2		2
67. General paralysis of the insane (Paresis)	9	7	2	1		5	1	1	1
68. Other forms of mental alienation (Dementia, praecox)	1	1		1					
69. Epilepsy	13	7	6	3	4	4	2		
70. Convulsions (nonpuerperal)									
71. Convulsions of infants	3		3		3				
72. Chorea									
73. Neuralgia and neuritis									
74. Other diseases of the nervous system									
Sclerosis of brain	1	1				1			
Tumor of brain	25	13	12	6	3	6	7	1	1
75. Diseases of the eyes and their adnexa									
76. Diseases of the ears (Otitis Media)	6	4	2	4	1				
III. Diseases of the Circulatory System.									
77. Pericarditis	24	19	5	6	2	8	3	3	
78. Acute endocarditis	48	33	15	20	6	9	6		2
79. Organic diseases of the heart									
(1) Valvular	385	238	147	90	17	97	60	37	67
(2) Endocarditis, chronic	139	97	42	33	5	45	14	6	21
(3) Fatty heart	19	4	15		1	3	3	1	9
(4) Myocarditis, chronic	505	279	226	64	26	124	58	64	138
80. Angina pectoris	72	46	26	4	1	30	5	12	20
81. Diseases of arteries, atheroma, aneurysm, etc.									
Aneurism of aorta	28	23	5	7		12	2	1	3
Arterio-sclerosis	91	45	46	10	4	17	7	18	35
Endarteritis	1	1				1			
82. Embolism and thrombosis	19	13	6	1		9	2	3	4
83. Diseases of veins (phlebitis)	6	3	3	1		2	2		1
84. Diseases of lymphatic system—									
Abscess auxiliary gland	1	1		1					
Adenitis, suppurative	1		1		1				
Enlarged thymus	1		1		1				
Status lymphaticus	1	1		1					
85. Hæmorrhage, other diseases of circulatory system									
IV. Diseases of the Respiratory System.									
86. Diseases of the nasal fossæ									
87. Diseases of the larynx (laryngitis)	4	2	2		2	1		1	
88. Diseases of the thyreoid body									
89. Acute bronchitis	40	18	22	9	10	5	2	4	10
90. Chronic bronchitis	27	14	13	4	2	2	5	7	6
91. Bronchopneumonia	345	227	118	126	52	42	27	37	39
92. Lobar pneumonia	385	237	148	108	47	72	44	39	54
93. Pleurisy	44	36	8	15	2	10	4	3	2
94. Pulmonary congestion, pulmonary apoplexy	6	3	3			1		2	3
95. Gangrene of the lung	4	4		1		2			
96. Asthma	10	6	4			4	3	2	1
97. Pulmonary emphysema									
98. Other diseases of the respiratory system (tuberculosis excepted)—									
Abscess of lung	2	1	1		1	1			
V. Diseases of the Digestive System.									
99. Diseases of mouth and adnexa (gangrenous stomatitis)	1	1		1					
Pyorrhea alveolaris	1		1						1

TABLE NO. III—Continued.

FISCAL YEAR ENDING JUNE 30, 1916

Relation				Color								Nativity									
Divorced		Unascertained		White		Chinese		Japanese		African		San Francisco		Other Parts of Cal		Other States		Foreign		Unascert'n'd	
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F	M.	F.
2	4	6		175	197	16				1	1	9	9	14	18	46	52	119	118	4	1
1				7	13									1		2	5	4	7		1
				4	4									2		1	2	1	2		
				3	6	1										1	2	3	4		
				7	2							1				3		3	2		
				1												1					
				7	6								1	1	3	3	2	3			
					3								2		1						
				1										1							
	1			12	12					1		3	1	1	7	2	3	7	1		
	1			4	2							2		1			2	1			
		2		16	5	3						2	2	4	1	5	2	7		1	
2	1	2		32	14	1					1	4	7	9	1	11	2	8	4	1	1
3	3	11		219	145	16	2	1		2		10	6	22	18	64	31	134	92	8	
1		12	2	88	40	9					2	9	2	13	5	21	9	48	25	6	1
			2	4	15											1	4	3	11		
5	3	22	1	263	222	13	1		1	3	2	11	4	13	9	69	61	171	149	15	3
				46	26							5	1	3	3	16	9	20	13	2	
1		2		22	5					1			1		1	11	1	11	2	1	
				36	46	9									2	8	14	37	30		
				1												1					
				12	6	1								2		4	1	7	5		
				3	3											3	1		2		
				1								1									
					1										1						
				1								1									
				2	2								2			1		1			
				16	20	2	1				1	8	8	3	2		1	7	11		
1				14	13									1	1	2	1	11	11		
1		21		221	113	3	1	3	2		2	39	38	26	15	40	19	111	45	11	1
6	1	12	2	229	143	3	1	3	2	2	2	36	34	29	23	60	31	99	59	13	1
		8		33	7	2		1	1			6	2	4		6	3	17	3	3	
				3	3												1	3	2		
1				3		1								1		1		2			
				4	4	2									1			6	3		
				1	1							1	1								
				1														1			
					1														1		

TABLE NO. III—Continued.

REPORT OF DEATHS REGISTERED DURING

Causes of Death (International Classification)	Grand Totals	Males	Females	Social					
				Single		Married		Widowed	
				M.	F.	M.	F.	M.	F.
100. Diseases of the pharynx (tonsillitis, septicemia following)	6	3	3	3	3				
Vincents angina	1	1				1			
101. Diseases of the æsophagus (diverticulum)	1	1				1			
102. Ulcer of the stomach	40	31	9	10	1	18	4	2	4
(Operative shock)	3	3				2		1	
(Operative sepsis)	1	1		1					
103. Other diseases of stomach (cancer excepted)—									
Gastritis, acute	10	7	3	5	2	1		1	1
Dilation of stomach	1		1						1
104. Diarrhœa and enteritis (und. 2 yrs.)									
Cholera infantum	3	2	1	2	1				
Diarrhea	8	7	1	7	1				
Enteritis	7	6	1	6	1				
Entero-colitis	5	3	2	3	2				
Gastro-enteritis	52	32	20	32	20				
Ileo-colitis	4	3	1	3	1				
105. Diarrhœa and enteritis (2 years and over)—									
Diarrhea	1		1						1
Enteritis	5	2	3	1	1		1	1	1
Gastro-enteritis	15	7	8	1	6	5		1	2
Ileo-colitis	2		2		2				
Duodenal ulcer	15	12	3	4		5	3	2	
(Operative shock)	1	1		1					
106. Ankylostomiasis									
107. Intestinal parasites (Trichinosis)	1	1		1					
108. Appendicitis	96	63	33	33	13	23	14	1	5
(Operative shock)	3		3				3		
109a. Hernias	16	10	6	3		4	4		2
(Operative shock)	4	4		3		1			
109b. Intestinal obstructions	43	26	17	8	2	11	10	4	4
(Operative shock)	5	2	3	1	1		2		
Intussusception	6	5	1	5	1				
Volvulus	5	1	4	1	2		2		
110. Other diseases of the intestines (fecal fistula)	3	3		1		1		1	
Ischiorectal abscess	1	1						1	
Ulcer duodenum	5	4	1	1		3	1		
(Operative shock)	1		1				1		
Tumor of intestines	1	1				1			
Prolapse of rectum	1		1				1		
Stricture rectum	1	1		1					
Coccidioidal granuloma	1	1		1					
111. Acute yellow atrophy of the liver	3	3		2		1			
112. Hydatid tumor of the liver (operative shock)	1	1				1			
113. Cirrhosis of the liver	110	79	31	27	1	40	16	7	11
114. Biliary calculi	24	9	15	2		5	9	2	6
(Operative shock)	6		6				3		3
(Operative sepsis)	1	1				1			
115. Other diseases of the liver (abscess of)	5	5		1		2		1	
Inflammation of	3	3		2		1			
Cholecystitis	9	4	5	1		2	2	1	2
Gangrene of gall bladder	1		1		1				
Rupture of gall bladder	2	1	1	1	1				
116. Diseases of the spleen (abscess of)	1	1		1					
117. Simple peritonitis	1	1				1			
118. Other diseases of digestive system (excepting tuberculosis, cancer)									
Sub-phrenic abscess	2	1	1		1	1			
Hemorrhagic pancreatitis	5	5		3		1		1	

TABLE NO. III—Continued.

FISCAL YEAR ENDING JUNE 30, 1916

Relation				Color								Nativity									
Divorced		Unascertained		White		Chinese		Japanese		African		San Francisco		Other Parts of Cal		Other States		Foreign		Unascerta'n'd	
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F	M.	F.
				3	3							1	2	2	1						
				1												1					
				1														1			
		1		28	9	3								10	1	11	2	9	6	1	
				3										1				2			
				1										1							
				6	3			1				2	2	1		2	1	2			
					1										1						
				2	1							1		1	1						
				7	1							4	1	3							
				6	1							5	1	1							
				3	2							3	1		1						
				30	19	2	1					21	14	11	6						
				3	1							3	1								
					1														1		
				2	2				1			1			1		1	1	1		
				7	8							2	4		1	2	2	3	1		
					2								2								
		1		11	3	1						1			2	3	1	8			
				1										1							
				1														1			
3	1	3		63	32						1	9	6	12	10	19	8	22	9	1	
					3												1		2		
1		2		10	6							1		1		2	2	5	4	1	
				4										1				3			
1	1	2		25	17	1						2	4	4	4	4	5	15	4	1	
		1		2	3												2	1	1	1	
				4	1			1				3	1	2							
				1	4									1	3				1		
				3												1		1		1	
				1										1							
				4	1											2		2	1		
					1												1				
				1												1					
					1														1		
				1												1					
										1						1					
				2				1								2		1			
				1														1			
1	3	4		70	31	7		2				6	2	9	6	11	9	51	14	2	
				9	15							2		1	3	2	7	4	5		
					6										2				4		
				1												1					
		1		5										2				3			
				3												2		1			
	1			4	5								2	1		1	1	2	2		
					1												1				
				1	1											1			1		
						1												1			
				1														1			
				1	1									1		1	1				
				5												2		2			

TABLE NO. III—Continued.

REPORT OF DEATHS REGISTERED DURING

Causes of Death (International Classification)	Grand Totals	Males	Females	Social					
				Single		Married		Widowed	
				M.	F.	M.	F.	M.	F.
VI. Diseases of the Genito-Urinary System.									
119. Acute nephritis	49	28	21	15	5	10	14	3	1
120. Bright's disease	585	387	198	107	28	194	81	67	86
121. Chyluria									
122. Other diseases of the kidneys and adnexa (Hydronephrosis)	1	1				1			
Pyelitis	4	4		1		1		1	
Pyelonephritis	3	2	1	2	1				
Pyonephrosis	6	5	1			2	1	2	
Cystic kidney (operative shock)	2	2				1		1	
Tumor of kidney	2	1	1		1	1			
123. Calculi of the urinary passage	2	1	1	1			1		
(Operative shock)	1	1				1			
124. Diseases of the bladder—									
Abscess of	1		1		1				
Chronic cystitis	12	10	2	1		3	1	3	1
125. Diseases of the uretha (stricture of)	2	2		2					
126. Diseases of the prostate (hypertrophy of)	11	11		1		4		6	
(Operative shock)	3	3				2		1	
Abscess of prostate	1	1		1					
Tumor of prostate	1	1				1			
Prostatitis	3	3				2		1	
127. Nonvenereal diseases of male genital organs									
128. Uterine hæmorrhage (nonpuerperal)									
129. Uterine tumor (noncancerous)—									
Fibro-myoma of	10		10		3		7		
(Operative shock)	4		4				3		1
130. Other diseases of the uteras (prolapse of)	2		2				2		
Pelvic abscess	1		1				1		
Septicemia following infection (nonpuerperal)	1		1				1		
Menopause	2		2				2		
131. Cysts and other tumors of the ovary	7		7				3		2
132. Salpingitis	12		12				10		1
(Operative shock)	1		1		1				
Tubo-ovarian cyst	2		2				1		1
133. Nonpuerperal diseases of the breast (cancer excepted)									
VII. The Puerperal State.									
134. Accidents of pregnancy—									
Abortion (self-induced)	6		6				4		
Abortion (criminal)	8		8		1		6		1
Extra uterine pregnancy	4		4				4		
Pernicious vomiting of	1		1				1		
135. Puerperal hæmorrhage (placenta previa)	4		4				4		
136. Other accidents of labor									
Cesarian section	1		1				1		
Prolonged labor	1		1				1		
137. Puerperal septicæmia	12		12				12		
138. Puerperal albuminuria and convulsions	15		15		1		14		
139. Puerperal sudden death (acute myocarditis)	1		1				1		
Puerperal phlebitis)	1		1				1		
140. Following childbirth (not otherwise specified)									
141. Puerperal diseases of the breast									

TABLE NO. III—Continued.

FISCAL YEAR ENDING JUNE 30, 1916

Relation				Color								Nativity									
Divorced		Unascertained		White		Chinese		Japanese		African		San Francisco		Other Parts of Cal		Other States		Foreign		Unascertain'd	
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F	M.	F.
	1			24	18	3	1	1	2			7	3	3	6	10	3	8	9		
9	3	10		355	195	24	1	1	1	7	1	26	8	35	37	106	54	214	97	6	2
				1												1					
		1		3				1								1		3			
				2	1								1			1		1			
		1		4	1	1										2	1	3			
				2												1		1			
				1	1								1			1					
				1	1								1					1			
				1														1			
					1										1						
1		2		10	2											4	2	6			
				2										1		1					
				11												4		7			
				3												1		2			
				1									1								
				1														1			
				1		2												3			
					10								2		4		3		1		
					4										2		1		1		
					2								1				1				
					1										1						
					1														1		
					2										1		1				
	2				7										2		3		2		
	1				11						1		2		5		3		1		
					1										1						
					2												2				
	1		1		6										1		2		3		
					6						2		2		1		1		4		
					4														1		3
					1												1				
					4										2		1		1		
					1														1		
					1										1						
					11				1				3				2		7		
					15								4		3		5		3		
					1														1		
					1														1		

TABLE NO. III—Continued.
REPORT OF DEATHS REGISTERED DURING

Causes of Death (International Classification)	Grand Totals	Males	Females	Social					
				Single		Married		Widowed	
				M.	F.	M.	F.	M.	F.
VIII. Diseases of the Skin.									
142. Gangrene (of foot)	3	2	1			2			1
Raynaud's disease	1	1						1	
143. Furuncle (carbuncle)	1	1		1					
Carbuncle (septicemia following)	1	1		1					
144. Acute abscess (multiple)	1	1				1			
Of cervical glands	1	1				1			
Cellulitis face (scratch of nail)	1		1				1		
Cellulitis hand (septicemia fol.)	1		1				1		
Pemphigus neonatorum	1	1		1					
Pemphigus foleaceas	1		1				1		
Ulcer leg (septicemia following)	1	1							
Pituriasis rubia	1	1		1					
Impetigo (septicemia following)	1		1		1				
IX. Diseases of the Bones.									
146. Diseases of the bones (tuberculosis excepted)—									
Mastoiditis	3	2	1	2	1				
(Septicemia following)	4	3	1	2		1	1		
Necrosis maxilla (operative shock)	1		1				1		
Osteomyelitis tibia	1	1				1			
147. Diseases of the joints (excepting tuberculosis and rheumatism—									
Purulent arthritis	2	1	1			1	1		
Arthropathy hip (operative shock)	1	1		1					
Congenital dislocation hip (operative shock)	1		1		1				
148. Amputations									
149. Other diseases of the organs of locomotion									
X. Malformations.									
150. (1) Hydrocephalus	5	1	4	1	4				
(2) Congenital malformation of heart	22	9	13	9	13				
(3) Other congenital malformations									
Cleft palate	4		4		4				
Imperforate anus	3	2	1	2	1				
Microcephalus	1		1		1				
Pyloric stenosis	5	5		5					
(Operative shock)	2	1	1	1	1				
Spina bifida	4	2	2	2	2				
(Operative shock)	1		1		1				
Malformation urinary bladder	1		1		1				
Arrest of development	1		1		1				
XI. Diseases of Early Infancy.									
151. (1) Premature birth	125	77	48	77	48				
(2) Congenital debility, "atrophy," "marasmus," etc.	5	3	2	3	2				
Icterus neonatorum	2	1	1	1	1				
Maldevelopment	1		1		1				
152. Other diseases peculiar to early infancy—									
(1) Injuries at birth (instrumental delivery)	15	12	3	12	3				
Breech presentation	1	1		1					
Placenta previa	3	2	1	2	1				
(2) Asphyxia neonatorum	6	4	2	4	2				
Atelectasis neonatorum	26	16	10	16	10				
Hemophilia neonatorum	8	2	6	2	6				
Hemorrhage from circumcision	1	1		1					

TABLE NO. III—Continued.

FISCAL YEAR ENDING JUNE 30, 1916

Relation				Color								Nativity									
Divorced		Unascertained		White		Chinese		Japanese		African		San Francisco		Other Parts of Cal		Other States		Foreign		Unascert'n'd	
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F	M.	F.
				2	1											1		2			
				1												1					
				1														1			
				1														1			
				1								1									
				1														1			
								1											1		
					1														1		
				1								1									
					1										1						
		1		1														1			
				1														1			
								1					1								
				2	1							1		1	1						
				3	1							1		1	1			1			
					1										1						
						1												1			
				1	1									1					1		
				1														1			
					1										1						
				1	4							1	1		3						
				8	13			1				9	11		2						
					3		1						4								
				1	1			1				2	1								
					1								1								
				5								1		4							
				1	1									1	1						
				2	2							2	2								
					1										1						
					1										1						
					1								1								
				73	43	1	2	3	3			72	46	5	2						
				3	2							3	1		1						
				1					1			1			1						
					1								1								
				12	3							12	3								
				1								1									
				2	1							2	1								
				4	2							4	2								
				16	10							16	10								
				2	6							2	6								
				1								1									

TABLE NO. III—Continued.

REPORT OF DEATHS REGISTERED DURING

Causes of Death (International Classification)	Grand Totals	Males	Females	Social					
				Single		Married		Widowed	
				M.	F.	M.	F.	M.	F.
Hemorrhage umbilicus	1	1		1					
Melena neonatorum	1	1		1					
Inspiration of food	1		1		1				
Inspiration of vomit	1	1		1					
Infection umbilicus	2		2		2				
Suffocation under bedclothes	2	2		2					
Suffocation (overlaid)	1		1		1				
153. Lack of care									
XII. Old Age.									
154. Senility	55	14	41	4	2	3	5	6	34
XIII. Affections Produced by External Causes									
155. Suicide by poison—									
Arsenic	1	1						1	
Bi-chloride mercury	5		5		2		3		
Carbolic acid	7	5	2	2	1	1	1	1	
Chloroform	1		1				1		
Cyanide potassium	13	12	1	2		7		2	1
Lysol	5	4	1	1		3	1		
Strychnine	3	2	1	1			1		
Undetermined poison	1		1				1		
156. Suicide by asphyxia (illuminating gas)	56	45	11	19	2	17	6		2
157. Suicide by hanging or strangulation	15	14	1	5	1	4			
158. Suicide by drowning	14	11	3	3	1	4	1	1	
159. Suicide by firearms	98	89	9	31	2	33	4	8	1
160. Suicide by cutting or piercing instruments	18	16	2	7		5	1		1
161. Suicide by jumping from a high place (from bridge)	1	1		1					
From fire escape	1	1		1					
From pile driver	1	1							
From window	10	7	3	2	1	3	2		
162. Suicide by crushing									
163. Other suicides									
164. Poisoning by food (ptomaines)—									
From eating clams	2		2				1		1
Crab salad	1		1				1		
Unknown	2	1	1	1			1		
165. Other acute poisonings—									
Arsenic (accidentally self-administered)	1		1						1
Bi-chloride mercury (accidentally self-administered)	3	1	2		1	1	1		
Cyanide (accidentally self-administered)	1	1		1					
Morphine (accidentally self-administered)	1	1		1					
Muriatic acid (accidentally self-administered)	1	1				1			
Opium (accidentally self-administered)	1		1				1		
Strychnine manner unknown)	1		1				1		
Unknown poison (manner unknown)	1		1				1		
166. Conflagration (in burning building)	12	3	9	2	8		1		
167. Burns (conflagration excepted)—									
Playing with matches	3	1	2	1	2				
From gas stove	1		1		1				
From open grate	1		1						1
From wood stove	1		1						1
From gasoline stove	1		1						1
From vaporizer	1	1		1					

TABLE NO. III—Continued.

FISCAL YEAR ENDING JUNE 30, 1916

Relation				Color								Nativity									
Divorced		Unascertained		White		Chinese		Japanese		African		San Francisco		Other Parts of Cal		Other States		Foreign		Unascert'n'd	
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F	M.	F.
				1								1									
				1								1									
					1								1								
				1										1							
					2								2								
				2								1		1							
					1								1								
		1		14	41											3	7	11	34		
				1														1			
					4		1						1		1		1		2		
		1		5	2							1		1		1	1	1	1	1	
					1												1				
		1		11	1	1						1				5		4	1	2	
				3	1	1								1		1		2	1		
		1		2	1													1	1	1	
					1										1						
1	1	8		44	11	1						1		2	2	11	3	23	6	8	
		5		11	1	2		1					1			1		10		3	
1	1	2		11	3							1		2		1	1	6	2	1	
4	1	13	1	88	9					1		6		6	1	21	4	39	2	17	2
		4		14	2			1		1		2		3		3		5	2	3	
				1														1			
				1														1			
		1		1																1	
		2		7	3											3	1	4	1		1
					2												2				
					1												1				
				1	1							1			1						
					1														1		
				1	2											1	1		1		
					1													1			
				1										1							
				1														1			
					1												1				
					1														1		
					1										1						
1				3	9								1		3	1	2	2	3		
				1	2								1	1					1		
					1								1								
					1												1				
					1														1		
					1														1		
				1								1									

TABLE NO. III—Continued.
REPORT OF DEATHS REGISTERED DURING

	CAUSES OF DEATH (International Classification)	GRAND TOTALS	MALES	FEMALES	Social					
					Single		Married		Widowed	
					M.	F.	M.	F.	M.	F.
	From electric hot plate	1	1		1					
	From explosion kerosene lamp	1	1				1	1		
	Lighting fire with kerosene	1		1				1		
	From explosion distillate	2	2		2					
	From scalding water	3	2	1	1	1	1			
	From boiling grease	1		1				1		
168.	Absorption of deleterious gases (conflagration excepted)—									
	(1) Illuminating gas (accidental)	52	43	9	20	2	6	5	5	1
	(2) Anesthesia (ether during operation)	1	1				1			
	(Not stated) (during operation)	1	1		1					
169.	Accidental drowning (in bay of S. F.)	34	34		12		3			
	(In Pacific Ocean)	4	4		1		1			
	(In ponds)	3	3		2				1	
170.	Traumatism by firearms	6	6		5		1			
171.	Traumatism by cutting or piercing instrument									
172.	Traumatism by fall—									
	Over banister	2	2		1					
	Into basement	1	1				1			
	From bed	1		1						1
	From building	9	8	1	5	2	3			
	Over bulkhead	1	1						1	
	Into bunker	1	1		1					
	Down elevator shaft	1		1		1				
	Into excavation	2	2				1		1	
	From fire escape	1		1						1
	On floor	21	10	11	4		2	2	3	8
	From "go-cart"	2	1	1	1	1				
	From ladder	3	2	1			2			1
	Down light well	1		1				1		
	From loft	2	2		2					
	On pavement	12	8	4	3	1	3	2	1	1
	From pile-driver	1	1				1			
	Into pit	1	1				1			
	From platform	2	2		2					
	From porch	1		1		1				
	Into hold of ship	7	7		1		5			
	While skating	1	1		1					
	Through skylight	1	1				1			
	From staging	2	2				2			
	Down stairs	17	13	4	4	2	3		3	2
	From telegraph pole	1	1				1			
	From window	7	3	4	1	1	1	3		
	On iron stake	1	1				1			
173.	Traumatism in mines and quarries (Explosion in mine)	1	1							
	In mine, fracture spine (manner unknown)	2	2		1		1			
	In quarry, fracture spine (manner unknown)	1	1		1					
174.	Traumatism by machines—									
	Crushed by elevators	4	4		2		1			
	Crushed by elevator counterweight	2	2		2					
	In elevator machinery	1	1						1	
	Struck by broken belt	1	1				1			
	Crushed by traveling crane	1	1		1					
175a.	Railroad accidents and injuries—									
	Struck by locomotive	1	1				1			
	Run over by train	6	6		3		1			
	Run over by freight car	1	1							
	Fall from handcar	1	1				1			
	Fall from locomotive	1	1				1			
	Crushed betwen freight cars	2	2		1		1			
	Crushed between car and platform	1	1		1					

TABLE NO. III—Continued.
FISCAL YEAR ENDING JUNE 30, 1916

Relation				Color								Nativity									
Divorced		Unascertained		White		Chinese		Japanese		African		San Francisco		Other Parts of Cal		Other States		Foreign		Unascert'n'd	
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F	M.	F.
				1								1				1					
				1	1							1							1		
					1										1						
				1				1						1				1			
				2	1								1	1		1					
				1															1		
1	1	11		43	9							3	2	1	1	9	4	17	2	13	
				1														1			
				1												1					
		19		34								4		1		5		7		17	
		2		4								1						1		2	
				3								1		1				1			
				6								2		1		2		1			
		1		2														2			
				1														1			
					1														1		
				7	1	1						2	1	1		2		3			
				1														1			
				1														1			
					1														1		
				2												1					
					1														1		
1	1			10	11							1		1	1	4	4	4	5		1
					1	1						1									
				2	1											1		1		1	
					1														1		
				2										1				1			
		1		8	4							1			1	3	1	3	2	1	
				1														1			
				1												1					
				2										1				1			
					1								1								
1				7								1		1		1		4			
				1										1							
				1										1							
				2										1				1			
		3		13	4							2	1	2		1	2	7	1	1	
				1														1			
		1		2	4			1				1			1			1	3		1
				1										1							
		1		1														1			
					2											1		1			
				1														1			
		1		4										1				3			
				2														2			
				1										1							
				1										1							
				1														1			
				1														1			
		2		6														6			
		1		1										1						1	
				1														1			
				1												1					
				2												1		1			
				1												1					

TABLE NO. III—Continued.

REPORT OF DEATHS REGISTERED DURING

Causes of Death (International Classification)	Grand Totals	Males	Females	Social					
				Single		Married		Widowed	
				M.	F.	M.	F.	M.	F.
175b. Street car accidents and injuries—									
Struck by cable car	2	1	1			1	1		
Fall from electric car	1	1						1	
Run over by electric car	4	2	2	2			2		
Struck by electric car	24	20	4	8	1	8	1	1	2
Hurled from runaway car	1		1				1		
Collision between electric car and wagon	6	6		1		4		1	
175c. Automobile accidents and injuries—									
Run over by auto	4	4		3				1	
Struck by auto	39	31	8	12	1	9	4	5	3
Crushed by overturning auto	5	4	1	1	1	3			
Fall from moving auto	3	3		2		1			
Collision bet. auto and electric car	6	5	1	3		1	1		
Collision bet. auto and motorcycle	2	2		2					
Injured by exploding tire	1	1		1					
175d. Injuries by other vehicles—									
Struck by buggy	1		1		1				
Run over by truck	1	1				1			
Run over by wagon	2	1	1	1	1				
Struck by wagon	1	1							
Thrown from wagon	2	2				2			
Struck by bicycle	1	1		1					
Struck by motorcycle	1		1		1				
Struck by street-sweeper	1	1		1					
175e. Landslide—other crushing—									
By caving sand	2	2		1				1	
By closing wall-bed	1		1				1		
By swinging boom	1	1				1			
By falling fence	1	1				1			
By falling wall	1	1				1			
By sling-load of freight	1	1				1			
By pile-driver hammer	1	1		1					
176. Injuries by animals—									
Kicked by horse	3	3		1		1			
177. Starvation									
178. Excessive cold									
179. Effects of heat									
180. Lightning									
181. Electricity (lightning excepted)	2	2		1		1			
182. Homicide by firearms	64	45	19	8	2	24	14	3	
183. Homicide by cutting or piercing instruments	8	7	1	4		2	1		
184. Homicides by other means (blows)	7	7		3		2			
By gas asphyxiation	1	1						1	
By strangulation	1		1						
Infanticide	2	1	1	1	1				
185. Fractures—									
Of leg, by falling casting	1	1				1			
Of skull, by coal bucket	1	1				1			
Of skull, manner unknown	2	2							
Of spine, struck by beam	1	1		1					
186. Other external violence—									
Hem. brain, struck by baseball	1	1		1					
Hem. brain, manner unknown	2	2		1		1			
Hem. pleural cavity, manner unknown	1	1						1	
Foreign body in bronchi	1		1		1				
Foreign body in stomach	1	1						1	
Rupture spleen, manner unknown	1	1							
XIV. Ill-Defined Diseases.									
187. Ill-defined organic disease									
188. Sudden death									
189. (1) Cause of death ill-defined									
(2) Cause of death not specified, or unknown									
Decomposed remains	1	1							

TABLE NO. III—Continued.

FISCAL YEAR ENDING JUNE 30, 1916

Relation				Color								Nativity									
Divorced		Unascertained		White		Chinese		Japanese		African		San Francisco		Other Parts of Cal		Other States		Foreign		Unascert'n'd	
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F	M.	F.
				1	1											1			1		
				1												1					
				2	2								1		1			2			
		3		19	4			1				2	1	2			1	13	2	3	
					1												1				
				5		1												6			
				4								2		1				1			
		5		29	7	1		1	1			6		5	2	5	1	14	5	1	
				4	1									2		2	1				
				3												2		1			
1				5	1								4	2		3					
				2												2					
				1										1							
					1												1				
				1									1	1				1			
		1		1																1	
				2								2									
				1								1									
					1										1						
				1												1					
				2								1						1			
					1														1		
				1														1			
				1										1							
				1														1			
				1									1								
		1		2				1				1				1		1			
				2								1				1					
3	3	7		34	14	10	2			1	3	4	2	8	3	6	6	21	8	6	
		1		4		3	1							1		1		4	1	1	
		2		7										1		1		5			
				1														1			
			1		1														1		
				1	1								1	1							
				1														1			
				1														1			
1		1		1						1				1						1	
				1														1			
				1								1									
				2														1		1	
				1												1					
					1								1								
				1								1									
		1		1														1			
			1	1														1			

TABLE NO. III—Continued.

REPORTS OF DEATHS REGISTERED DUR ING FISCAL YEAR ENDING JUNE 30, 1916.

Causes of Death (International Classification)	Grand Totals	Males	Females	Place of Death																Non Resident	
				1st District		2nd District		3rd District		4th District		5th District		En route ★ to Hospital		Pub. Inst-'t'ns, hospitals, etc					
				M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.			M.	F.
DEATHS FROM ALL CAUSES.	7249	4519	2730	785	604	336	230	265	249	363	329	184	181	159	29	2427	1108			555	214
I. General Diseases	2064	1291	773	203	163	84	68	60	71	99	83	39	43	8	1	798	344			159	61
II. Diseases of Nervous System	567	292	275	57	71	10	21	33	34	31	36	15	20	2		144	93			35	16
III. Diseases of Circulatory System	1341	803	538	194	140	80	59	70	57	67	76	44	53	29	4	319	149			83	31
IV. Diseases of Respiratory System	867	548	319	91	83	44	27	28	29	43	54	16	25	6	1	320	100			61	16
V. Diseases of the Digestive System	550	360	190	50	33	17	8	18	11	22	17	17	7	4	1	232	113			58	32
VI. Diseases of Genito-Urinary System	731	463	268	91	47	18	24	26	28	47	36	24	20	3	1	254	112			69	29
VII. The Puerperal State	54		54		9		1				1						43				4
VIII. Diseases of the Skin	15	10	5		1	1			1		1					8	3			3	
IX. Diseases of the Bones	13	8	5	1					1							6	5			2	2
X. Malformations	49	20	29	1	4	5	6	2	2	1	3	3				8	14			2	5
XI. Diseases of Early Infancy	202	124	78	13	10	14	10	6	4	23	13	7	4			61	37			2	3
XII. Old Age	55	14	41	3	12		2	2	7	3	3	1	6			5	11			3	2
XIII. Affections Produced by External Causes	740	585	155	81	31	62	4	18	6	27	6	18	3	107	21	272	84			58	13
XIV. Ill-Defined Diseases	1	1				1															
I. General Diseases.																					
1. Typhoid fever	26	19	7	2				1	2	1	1					15	4			4	2
2. Typhus fever																					
3. Relapsing fever																					
4. Malaria	3	2	1	1		1											1				
5. Smallpox																					
6. Measles	1		1														1				
7. Scarlet fever	8	6	2	1						1						4	2			1	
8. Whooping cough	21	8	13	2	5	1	3		1	2	1	3					3				
9. Diphtheria	109	61	48	9	11	3	3		1	12	7	3	3	1		33	23				1
10. Influenza	14	6	8	2	5				1	1						3	2			1	1

11. Miliary fever																							
12. Asiatic cholera																							
13. Cholera nostras																							
14. Dysentery	4	2	2						1	1		1			1								
15. Plague																							
16. Yellow fever																							
17. Leprosy	1	1													1								
18. Erysipelas (idiopathic)	11	6	5			1			1		1				5	3							
19. Other epidemic diseases																							
20. Purulent infection and septicemia																							
Following decubitis	1	1													1								
Following infection, arm	1	1				1																	
Following needle prick, finger	1	1													1								
Following scratch on hand	2	2													2								
Following infected wound, leg	1	1													1					1			
Following bruise of foot	1		1													1							
Following burn of hand	1		1													1							
Following nail scratch of nose	1	1				1																	
Following infected wound (?)	1	1				1																	
Following staphylococcic infection knee	1	1													1								
Following phlegmon of legs	1	1													1								
Following cellulitis of leg	1	1													1								
Following staphylococcic cellulitis	1		1													1							
Following streptococcus infection	2	2													2								
Pyemia—Following scratch on hand	1	1				1																	
Pyemia—Following injury to leg	1	1													1								
Pyemia—Unqualified	1	1													1								
21. Glanders																							
22. Anthrax																							
23. Rabies																							
24. Tetanus																							
Following infected wound, arm	1		1													1							1
Following wound of hand	1	1													1								
25. Mycoses (fungoides)	1		1		1										1								
26. Pellagra	1	1													1								
27. Beriberi	1	1													1								
28. Tuberculosis of the lungs	788	598	190	95	39	39	27	27	14	43	28	19	10	6	369	72				59	8		
29. Acute miliary tuberculosis	26	18	8	1			4	2		1		2			12	4				5			
30. Tuberculous meningitis	74	47	27	7	5	7	4	3	1	3	2		1		27	14							
31. Abdominal tuberculosis—intestinal	4		4		1						1		1			1					1		
Peritoneal	23	12	11		2	1				1	2		1	1	9	6				2	4		
32. Pott's disease—(Tuberculosis of spine)	11	6	5	1	2					2	1				3	2				1			

TABLE NO. III—Continued.

REPORTS OF DEATHS REGISTERED DURING FISCAL YEAR ENDING JUNE 30, 1916.

Causes of Death (International Classification)	Grand Totals	Males	Females	Place of Death: 1st District M.	1st District F.	2nd District M.	2nd District F.	3rd District M.	3rd District F.	4th District M.	4th District F.	5th District M.	5th District F.	En route to Hospital M.	En route to Hospital F.	Pub. Inst-'t'ns, hospitals, etc M.	Pub. Inst-'t'ns, hospitals, etc F.	Non Resident M.	Non Resident F.
33. White swellings—																			
Tuberculosis hip-joint	2	2														2		1	
Tuberculosis of joints	1	1										1							
34. Tuberculosis of other organs—																			
Lymph-glands of neck	5	2	3													2	3	1	1
Of bones of foot	1	1														1			
Of kidneys	1		1								1								
35. Disseminated tuberculosis																			
36. Rickets	4	3	1	1						1						1	1		
Osteomalacia	1		1		1														
37a. Syphilis—congenital	19	10	9	4	2	1	1									5	6	1	
37b. Syphilis—acquired	27	19	8	4	1											15	7	3	
38. Gonococcus infection	2	1	1													1	1		
39. Cancer of the buccal cavity																			
Of lip	3	3														3			
Of maxilla	7	7						1				1				5			
Of maxilla (operative shock)	1	1														1			
Of mouth	1	1														1			
Of palate	1	1		1															
Of tongue	11	11						1				3				7		1	
Sarcoma of maxilla	3	1	2		1											1	1		
40a. Cancer of the stomach	183	127	56	19	11	9	1	9	6	10	9	2	9			78	20	28	2
(Operative shock)	1		1														1		1
(Operative sepsis)	1	1														1		1	
Sarcoma of stomach	2	1	1			1											1		
40b. Cancer of liver	60	30	30	8	7	2	3	3	5	1	1		1			16	13	8	3
(Operative shock)	1	1														1		1	
41a. Cancer of the peritonæum, intestines																			
Of intestines	49	25	24	5	9		2	2	4	2	2					16	7	8	4
Of intestines (operative shock)	2	1	1													1	1		1
Sarcoma of intestines	5	4	1			1					1					3			

| | | |

TABLE NO. III—Continued

REPORTS OF DEATHS REGISTERED DURING FISCAL YEAR ENDING JUNE 30, 1916.

Causes of Death (International Classification)	Grand Totals	Males	Females	Place of Death																Non Resident	
				1st District		2nd District		3rd District		4th District		5th District		En route to Hospital		Pub. Inst-'t'ns, hospitals, etc					
				M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.			M.	F.
Of orbit	2	2		1												1					
Of testicle	1	1														1					
46. Other tumors (except of female genital organs)																					
Of mediastinum	1	1														1					
Of parotid	1		1														1				
47. Acute articular rheumatism	5	2	3				2						1			2				1	
48. Chronic rheumatism and gout	8	5	3	1		2	1						1			2	1				
49. Scurvy																					
50. Diabetes	104	51	53	13	6	3	4	6	12	6	5	1	1			22	25			5	4
51. Exophthalmic goitre	11	1	10		1		1		2		1					1	5			1	2
52. Addison's disease	3	2	1	1			1									1					
53. Leukæmia	17	12	5	4						1			1			7	4			6	2
54. Anæmia, chlorosis	40	15	25	2	6	1	2		1	3	1	1	3			8	12			3	7
55. Other general diseases (acidosis)	3	3		1								1				1					
Purpura hemorrhagica	5	3	2	2												1	2			1	
56. Alcoholism (acute and chronic)	55	41	14	5	4	4		1		1	1	1			1	29	8			1	
57. Chronic lead poisoning	2	2														2					
58. Other chronic occupation poisonings																					
59. Other chronic poisonings																					
II. Diseases of the Nervous System.																					
60. Encephalitis	4	3	1										1			3					
Abscess of brain	3		3		1												2				
61. (1) Simple meningitis	17	10	7	2	1				2	1	2					7	2			3	
Streptococcic meningitis	3	3		1						1						1					
(2) Cerebrospinal meningitis	7	4	3		1						1					4	1			2	1
(3) Epidemic cerebrospinal meningitis	4	2	2										1			2	1			1	

62.	Locomotor ataxia	21	17	4	4	1			1	1	3						9	2			2	1
63.	Other diseases of spinal cord—																						
	Acute ascending paralysis	1	1														1						
	Myelitis, transverse	3	1	2		1						1					1				1		
	Myasthenia gravis	1	1														1				1		
	Paralysis agitans	2	1	1					1									1					
	Paralysis, bulbar	5	3	2	1	2											2				1		
	Poliomyelitis	1	1						1														
	Spina bifida	1	1														1						
	Tumor of spinal cord	3	1	2													1	2					
	Sclerosis-lateral	5	3	2					1			1					2	1					
64.	Cerebral hæmorrhage, apoplexy	390	192	198	42	52	8	19	26	29	21	26	11	14	2		82	58			14	5	
65.	Softening of the brain	20	7	13	3	4					1	1		1			3	7				1	
66.	Paralysis without specified cause	8	4	4				1	1	1	1			1			2	1			1		
	Hemiplegia	10	4	6	1	3			1			2					2	1					
67.	General paralysis of the insane (Paresis)	9	7	2									2	1			5	1			2		
68.	Other forms of mental alienation (Dementia, praecox)	1	1														1				1		
69.	Epilepsy	13	7	6	1	2			1	1		1	1				4	2			2	1	
70.	Convulsions (nonpuerperal)																						
71.	Convulsions of infants	3		3		1						1		1									
72.	Chorea																						
73.	Neuralgia and neuritis																						
74.	Other diseases of the nervous system																						
	Sclerosis of brain	1	1														1						
	Tumor of brain	25	13	12	2	2	1	1			3						7	9			3	7	
75.	Diseases of the eyes and their adnexa																						
76.	Diseases of the ears (Otitis Media)	6	4	2			1						1				2	2			1		
III.	**Diseases of the Circulatory System**																						
77.	Pericarditis	24	19	5	5	2	2				1				2	1	9	2			3	2	
78.	Acute endocarditis	48	33	15	6	4	2	3	3		3	2	1	1	1		17	5			8		
79.	Organic diseases of the heart																						
	(1) Valvular	385	238	147	52	38	22	20	22	25	23	22	8	16	1	2	110	24			22	11	
	(2) Endocarditis, chronic	139	97	42	26	7	16	5	8	5	8	10	3	2	11		25	13			7	2	
	(3) Fatty heart	19	4	15		4		3	1	2		3					3	3			1		
	(4) Myocarditis, chronic	505	279	226	67	60	29	18	23	18	21	31	18	23	13	1	108	75			22	14	
80.	Angina pectoris	72	46	26	19	14	5	6	8	3	4	1	4	2	1		5				5		
81.	Diseases of arteries, atheroma, aneurysm, etc.																						
	Aneurism of aorta	28	23	5	4	2	2		1		1	1	1				14	2			3		
	Arterio-sclerosis	91	45	46	13	7	1	2	2	4	4	5	6	6			19	22			9	1	
	Endarteritis	1	1														1						
82.	Embolism and thrombosis	19	13	6	2	1		2	2		1		2	2			6	1			2		

TABLE NO. III—Continued

REPORTS OF DEATHS REGISTERED DURING FISCAL YEAR ENDING JUNE 30, 1916.

Causes of Death (International Classification)	Grand Totals	Males	Females	Place of Death: 1st District		2nd District		3rd District		4th District		5th District		En route to Hospital		Pub. Inst-'t'ns, hospitals, etc				Non Resident	
				M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.			M.	F.
83. Diseases of veins (phlebitis)	6	3	3								1	1				2	2			1	1
84. Diseases of lymphatic system—																					
Abscess auxiliary gland	1	1				1															
Adenitis, suppurative	1		1		1																
Enlarged thymus	1		1										1								
Status lymphaticus	1	1								1											
85. Hæmorrhage, other diseases of circulatory system																					
IV. Diseases of the Respiratory System.																					
86. Diseases of the nasal fossæ																					
87. Diseases of the larynx (laryngitis)	4	2	2	1	1		1			1											
88. Diseases of the thyreoid body																					
89. Acute bronchitis	40	18	22	5	12	4	3		3	3	2	1	1			5	1				
90. Chronic bronchitis	27	14	13	3	6		2	3		1		1	2			6	3				
91. Bronchopneumonia	345	227	118	41	24	11	8	9	11	15	21	4	7			147	47			16	7
92. Lobar pneumonia	385	237	148	33	34	24	11	13	11	17	29	8	14	3	1	139	48			36	8
93. Pleurisy	44	36	8	4	5	5		2		4	2	1	1	3		17				7	1
94. Pulmonary congestion, pulmonary apoplexy	6	3	3		1				1			1				2	1				
95. Gangrene of the lung	4	4		1												3					
96. Asthma	10	6	4	3			2	1	2	2										2	
97. Pulmonary emphysema																					
98. Other diseases of the respiratory system (tuberculosis excepted)—																					
Abscess of lung	2	1	1						1							1					
V. Diseases of the Digestive System.																					
99. Diseases of mouth and adnexa (gangrenous stomatitis)	1	1														1					

	Pyorrhea alveolaris	1		1														1					
100.	Diseases of the pharynx (tonsillitis, septicemia following)	6	3	3		2					1						2	1					
	Vincents angina	1	1														1					1	
101.	Diseases of the œsophagus (diverticulum)	1	1														1					1	
102.	Ulcer of the stomach	40	31	9	3	2			2	1	2	1	1				23	5			7	1	
	(Operative shock)	3	3														3				2		
	(Operative sepsis)	1	1														1				1		
103.	Other diseases of stomach (cancer excepted)—																						
	Gastritis, acute	10	7	3	3	1			1	2	1		1				1						
	Dilation of stomach	1		1														1				1	
104.	Diarrhœa and enteritis (und. 2 yrs.)																						
	Cholera infantum	3	2	1								1					2						
	Diarrhea	8	7	1	1		1				2	1	1				2						
	Enteritis	7	6	1	1						1		2	1			2						
	Entero-colitis	5	3	2	1	1							1				1	1					
	Gastro-enteritis	52	32	20	11	4	3	3	2	3	3	3	2				11	7			2	2	
	Ileo-colitis	4	3	1	1				1				1					1					
105.	Diarrhœa and enteritis (2 years and over)—																						
	Diarrhea	1		1				1															
	Enteritis	5	2	3	1	3							1										
	Gastro-enteritis	15	7	8	2	3	1	2		2	1	1					3					1	
	Ileo-colitis	2		2								2											
	Duodenal ulcer	15	12	3						1	1						11	2			5		
	(Operative shock)	1	1														1						
106.	Ankylostomiasis																						
107.	Intestinal parasites (Trichinosis)	1	1														1				1		
108.	Appendicitis	96	63	33	1	1	2					1	2	1	1		57	30			10	8	
	(Operative shock)	3		3														2				1	
109a.	Hernias	16	10	6	1		2				1			1			6	3			2	1	
	(Operative shock)	4	4														4						
109b.	Intestinal obstructions	43	26	17	1	1	1		3	1	2		1	2			18	13			5	3	
	(Operative shock)	5	2	3													2	3					
	Intussusception	6	5	1		1	1										4				1		
	Volvulus	5	1	4										1			1	4				1	
110.	Other diseases of the intestines (fecal fistula)	3	3														3				1		
	Ischiorectal abscess	1	1														1						
	Ulcer duodenum	5	4	1					1			1					3				1		
	(Operative shock)	1		1														1				1	
	Tumor of intestines	1	1														1				1		
	Prolapse of rectum	1		1				1															

TABLE NO. III—Continued

REPORTS OF DEATHS REGISTERED DURING FISCAL YEAR ENDING JUNE 30, 1916.

	Causes of Death (International Classification)	Grand Totals	Males	Females	Place of Death																		Non Resident	
					1st District		2nd District		3rd District		4th District		5th District		En route to Hospital		Pub. Inst-'t'ns, hospitals, etc							
					M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.					M.	F.
	Stricture rectum	1	1														1						1	
	Coccidioidal granuloma	1	1														1						1	
111.	Acute yellow atrophy of the liver	3	3		1												2						1	
112.	Hydatid tumor of the liver (operative shock)	1	1														1						1	
113	Cirrhosis of the liver	110	79	31	18	10	5	1	8		7	5	4	1	2	1	35	13					6	3
114.	Biliary calculi	24	9	15	1	2				1				1			8	11					3	5
	(Operative shock)	6		6		1												5						3
	(Operative sepsis)	1	1														1						1	
115.	Other diseases of the liver (abscess of)	5	5				1										4							
	Inflammation of	3	3		2												1							
	Cholecystitis	9	4	5	1	1											3	4					2	
	Gangrene of gall bladder	1		1														1						
	Rupture of gall bladder	2	1	1								1			1									
116.	Diseases of the spleen (abscess of)	1	1														1							
117.	Simple peritonitis	1	1														1							
118.	Other diseases of digestive system (excepting tuberculosis, cancer)																							
	Sub-phrenic abscess	2	1	1													1	1						1
	Hemorrhagic pancreatitis	5	5															5					1	
	VI. Diseases of the Genito-Urinary System.																							
119.	Acute nephritis	49	28	21	5	2	2	2	1	4	3	2	2				15	11					6	4
120.	Bright's disease	585	387	198	79	40	13	21	24	23	43	34	19	20	3	1	206	59					49	12
121.	Chyluria																							
122.	Other diseases of the kidneys and adnexa (Hydronephrosis)	1	1														1						1	
	Pyelitis	4	4				1						1				2						1	
	Pyelonephritis	3	2	1		1											2						1	

	Pyonephrosis	6	5	1	1													4	1			1	1
	Cystic kidney (operative shock)	2	2															2				1	
	Tumor of kidney	2	1	1	1														1				
123.	Calculi of the urinary passage	2	1	1														1	1				
	(Operative shock)	1	1															1					
124.	Diseases of the bladder—																						
	Abscess of	1		1															1				1
	Chronic cystitis	12	10	2	2		1		1		1							4	2			1	
125.	Diseases of the uretha (stricture of)	2	2															2					
126.	Diseases of the prostate (hypertrophy of)	11	11		1						1							9				4	
	(Operative shock)	3	3															3				2	
	Abscess of prostate	1	1				1																
	Tumor of prostate	1	1															1				1	
	Prostatitis	3	3		2													1				1	
127.	Nonvenereal diseases of male genital organs																						
128.	Uterine hæmorrhage (nonpuerperal)																						
129.	Uterine tumor (noncancerous)—																						
	Fibro-myoma of	10		10		1													9				4
	(Operative shock)	4		4															4				1
130.	Other diseases of the uteras (prolapse of)	2		2															2				1
	Pelvic abscess	1		1															1				
	Septicemia following infection (nonpuerperal)	1		1			1																
	Menopause	2		2		1			1														1
131.	Cysts and other tumors of the ovary	7		7		1													6				1
132.	Salpingitis	12		12															12				2
	(Operative shock)	1		1															1				
	Tubo-ovarian cyst	2		2		1													1				1
133.	Nonpuerperal diseases of the breast (cancer excepted)																						
	VII. The Puerperal State.																						
134.	Accidents of pregnancy—																						
	Abortion (self-induced)	6		6		1													5				
	Abortion (criminal)	8		8		2													6				
	Extra uterine pregnancy	4		4		1													3				
	Pernicious vomiting of	1		1															1				1
135.	Puerperal hæmorrhage (placenta previa)	4		4															4				1
136.	Other accidents of labor																						
	Cesarian section	1		1															1				
	Prolonged labor	1		1															1				

TABLE NO. III—Continued

REPORTS OF DEATHS REGISTERED DURING FISCAL YEAR ENDING JUNE 30, 1916.

Causes of Death (International Classification)	Grand Totals	Males	Females	Place of Death: 1st District		2nd District		3rd District		4th District		5th District		En route to Hospital		Pub. Inst-'t'ns. hospitals, etc				Non Resident	
				M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.			M.	F.
137. Puerperal septicæmia	12		12		1		1										10				1
138. Puerperal albuminuria and convulsions	15		15		3						1						11				1
139. Puerperal sudden death (acute myocarditis)	1		1		1																
Puerperal phlebitis)	1		1														1				
140. Following childbirth (not otherwise specified)																					
141. Puerperal diseases of the breast																					
VIII. Diseases of the Skin.																					
142. Gangrene (of foot)	3	2	1													2	1				
Raynaud's disease	1	1														1				1	
143. Furuncle (carbuncle)	1	1														1				1	
Carbuncle (septicemia following)	1	1				1															
144. Acute abscess (multiple)	1	1														1					
Of cervical glands	1	1														1					
Cellulitis face (scratch of nail)	1		1														1				
Cellulitis hand (septicemia fol.)	1		1														1				
Pemphigus neonatorum	1	1						1													
Pemphigus foleaceas	1		1		1																
Ulcer leg (septicemia following)	1	1														1					
Pituriasis rubia	1	1														1				1	
Impetigo (septicemia following)	1		1								1										
IX. Diseases of the Bones.																					
146. Diseases of the bones (tuberculosis excepted)—																					
Mastoiditis	3	2	1													2	1			1	1

	(Septicemia following)	4	3	1					1							2								
	Necrosis maxilla (operative shock)	1		1																				
	Osteomyelitis tibia	1	1		1																			
147.	Diseases of the joints (excepting tuberculosis and rheumatism—																							
	Purulent arthritis	2	1	1												1	1			1				
	Arthropathy hip (operative shock)	1	1													1								
	Congenital dislocation hip (operative shock)	1		1													1							1
148.	Amputations																							
149.	Other diseases of the organs of locomotion																							
	X. Malformations.																							
150.	(1) Hydrocephalus	5	1	4				1				1					3							2
	(2) Congenital malformation of heart	22	9	13	1	1	4	4	2	2	1	2	1				4							1
	(3) Other congenital malformations																							
	Cleft palate	4		4		1		1									2							
	Imperforate anus	3	2	1		1										2								
	Microcephalus	1		1													1							
	Pyloric stenosis	5	5				1									4				1				
	(Operative shock)	2	1	1												1	1			1				
	Spina bifida	4	2	2		1							1			1	1							
	(Operative shock)	1		1													1							1
	Malformation urinary bladder	1		1													1							1
	Arrest of development	1		1								1												
	XI. Diseases of Early Infancy.																							
151.	(1) Premature birth	125	77	48	10	6	9	4	3	2	13	10	4	3		38	23			2	1			
	(2) Congenital debility, "atrophy," "marasmus," etc.	5	3	2						1	2					1	1							1
	Icterus neonatorum	2	1	1		1										1								
	Maldevelopment	1		1				1																
152.	Other diseases peculiar to early infancy—																							
	(1) Injuries at birth (instrumental delivery)	15	12	3	1		1	1	1		1		1			8	1							
	Breech presentation	1	1								1													
	Placenta previa	3	2	1												2	1							
	(2) Asphyxia neonatorum	6	4	2						1			1			3	1							
	Atelectasis neonatorum	26	16	10	2	2	3	2			5	1				6	5							1
	Hemophilia neonatorum	8	2	6			1	1								1	5							
	Hemorrhage from circumcision	1	1										1											
	Hemorrhage umbilicus	1	1								1													

TABLE NO. III—Continued

REPORTS OF DEATHS REGISTERED DURING FISCAL YEAR ENDING JUNE 30, 1916.

Causes of Death (International Classification)	Grand Totals	Males	Females	Place of Death: 1st District M.	1st District F.	2nd District M.	2nd District F.	3rd District M.	3rd District F.	4th District M.	4th District F.	5th District M.	5th District F.	En route to Hospital M.	En route to Hospital F.	Pub. Inst-'t'ns, hospitals, etc M.	Pub. Inst-'t'ns, hospitals, etc F.	. . . .	. .	Non Resident M.	Non Resident F.
Melena neonatorum	1	1										1									
Inspiration of food	1		1				1														
Inspiration of vomit	1	1						1													
Infection umbilicus	2		2		1						1										
Suffocation under bedclothes	2	2						1								1					
Suffocation (overlaid)	1		1								1										
153. Lack of care																					
XII. Old Age.																					
154. Senility	55	14	41	3	12		2	2	7	3	3	1	6			5	11			3	2
XIII. Affections Produced by External Causes																					
155. Suicide by poison—																					
Arsenic	1	1														1					
Bi-chloride mercury	5		5														5				
Carbolic acid	7	5	2	1	1	2										2	1			1	
Chloroform	1		1										1								
Cyanide potassium	13	12	1	6	1	2		2		1		1								1	
Lysol	5	4	1			1				1						2	1				
Strychnine	3	2	1	1												1	1			1	
Undetermined poison	1		1														1				
156. Suicide by asphyxia (illuminating gas)	56	45	11	11	7	16		2		3				4	1	9	3			1	2
157. Suicide by hanging or strangulation	15	14	1	3		2		1				1		4		3	1			2	
158. Suicide by drowning	14	11	3											9	3	2				1	
159. Suicide by firearms	98	89	9	19	2	7		6	1	4		8		16	4	29	2			7	3
160. Suicide by cutting or piercing instruments	18	16	2	1	1	1		1		2				5		6	1			2	

161.	Suicide by jumping from a high place (from bridge)	1	1															1						
	From fire escape	1	1				1																	
	From pile driver	1	1				1																	
	From window	10	7	3	1												1	5	3					1
162.	Suicide by crushing																							
163.	Other suicides																							
164.	Poisoning by food (ptomaines)—																							
	From eating clams	2		2		1				1														
	Crab salad	1		1															1					1
	Unknown	2	1	1									1					1						
165.	Other acute poisonings—																							
	Arsenic (accidentally self-administered)	1		1															1					
	Bi-chloride mercury (accidentally self-administered)	3	1	2		1												1	1					1
	Cyanide (accidentally self-administered)	1	1															1						
	Morphine (accidentally self-administered)	1	1															1						
	Muriatic acid (accidentally self-administered)	1	1										1											
	Opium (accidentally self-administered)	1		1		1																		1
	Strychnine manner unknown)	1		1															1					
	Unknown poison (manner unknown)	1		1															1					
166.	Conflagration (in burning building)	12	3	9	2													4	1	5				
167.	Burns (conflagration excepted)—																							
	Playing with matches	3	1	2														1	2					
	From gas stove	1		1														1						
	From open grate	1		1		1																		
	From wood stove	1		1													1							
	From gasoline stove	1		1									1											
	From vaporizer	1	1															1						
	From electric hot plate	1	1															1						
	From explosion kerosene lamp	1	1	2														1	1					
	Lighting fire with kerosene	1		1															1					
	From explosion distillate	2	2															2					1	
	From scalding water	3	2	1	1			1										1						
	From boiling grease	1		1		1																		
168.	Absorption of deleterious gases (conflagration excepted)—																							
	(1) Illuminating gas (accidental)	52	43	9	14	3	11	1	2	2	3				1	5		8	2				2	
	(2) Anesthesia (ether during operation)	1	1															1						
	(Not stated) (during operation)	1	1				1																	

TABLE NO. III—Continued

REPORTS OF DEATHS REGISTERED DURING FISCAL YEAR ENDING JUNE 30, 1916.

Causes of Death (International Classification)	Grand Totals	Males	Females	Place of Death: 1st District M.	1st District F.	2nd District M.	2nd District F.	3rd District M.	3rd District F.	4th District M.	4th District F.	5th District M.	5th District F.	En route to Hospital M.	En route to Hospital F.	Pub. Inst-'t'ns, hospitals, etc M.	Pub. Inst-'t'ns, hospitals, etc F.	[illegible]	[illegible]	Non Resident M.	Non Resident F.
169. Accidental drowning (in bay of S. F.)	34	34												33		1				1	
(In Pacific Ocean)	4	4												4							
(In ponds)	3	3										3									
170. Traumatism by firearms	6	6								1				1		4				2	
171. Traumatism by cutting or piercing instrument																					
172. Traumatism by fall—																					
Over banister	2	2												1		1					
Into basement	1	1														1					
From bed	1		1														1				
From building	9	8	1		1					1				1		6					
Over bulkhead	1	1														1					
Into bunker	1	1														1					
Down elevator shaft	1		1				1														
Into excavation	2	2														2					
From fire escape	1		1													1					
On floor	21	10	11	1	1			1	1		1					8	8			1	2
From "go-cart"	2	1	1	1	1																
From ladder	3	2	1													2	1				
Down light well	1		1														1				
From loft	2	2		1												1					
On pavement	12	8	4													8	4			1	1
From pile-driver	1	1														1					
Into pit	1	1										1								1	
From platform	2	2														2				1	
From porch	1		1																		1
Into hold of ship	7	7				1				1				1		4				1	
While skating	1	1														1					
Through skylight	1	1														1					
From staging	2	2														2					

Down stairs	17	13	4	2	2			1		1					9	2								
From telegraph pole	1	1												1							1			
From window	7	3	4	1											1	2	3				1			
On iron stake	1	1														1					1			
173. Traumatism in mines and quarries (Explosion in mine)	1	1														1					1			
In mine, fracture spine (manner unknown)	2	2														2					2			
In quarry, fracture spine (manner unknown)	1	1														1					1			
174. Trautmatism by machines—																								
Crushed by elevators	4	4												1		3					1			
Crushed by elevator counterweight	2	2												1		1								
In elevator machinery	1	1														1								
Struck by broken belt	1	1														1								
Crushed by traveling crane	1	1														1								
175a. Railroad accidents and injuries—																								
Struck by locomotive	1	1														1								
Run over by train	6	6				4										2					1			
Run over by freight car	1	1														1					1			
Fall from handcar	1	1														1					1			
Fall from locomotive	1	1														1					1			
Crushed betwen freight cars	2	2														2					1			
Crushed between car and platform	1	1														1								
175b. Street car accidents and injuries—																								
Struck by cable car	2	1	1												1	1								
Fall from electric car	1	1														1								
Run over by electric car	4	2	2	1				1						1			1				1			
Struck by electric car	24	20	4			1		1		1		1		2		14	4				2			
Hurled from runaway car	1		1														1							
Collision between electric car and wagon	6	6		1												5								
175c. Automobile accidents and injuries—																								
Run over by auto	4	4												2		2								
Struck by auto	39	31	8	2	1									3	3	26	4				3			
Crushed by overturning auto	5	4	1											1		3	1							
Fall from moving auto	3	3												1		2								
Collision bet. auto and electric car	6	5	1											1		4	1							
Collision bet. auto and motorcycle	2	2														2								
Injured by exploding tire	1	1														1								
175d. Injuries by other vehicles—																								
Struck by buggy	1		1														1							
Run over by truck	1	1														1					1			
Run over by wagon	2	1	1							1							1							
Struck by wagon	1	1														1								
Thrown from wagon	2	2				1				1														
Struck by bicycle	1	1														1								
Struck by motorcycle	1		1														1							
Struck by street-sweeper	1	1														1					1			

TABLE NO. III—Continued

REPORTS OF DEATHS REGISTERED DURING FISCAL YEAR ENDING JUNE 30, 1916.

Causes of Death (International Classification)	Grand Totals	Males	Females	Place of Death																	
				1st District		2nd District		3rd District		4th District		5th District		En route to Hospital		Pub. Inst-'t'ns, hospitals, etc				Non Resident	
				M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.			M.	F.
175e. Landslide—other crushing—																					
By caving sand	2	2				1				1											
By closing wall-bed	1		1		1																
By swinging boom	1	1												1							
By falling fence	1	1														1					
By falling wall	1	1												1							
By sling-load of freight	1	1														1					
By pile-driver hammer	1	1														1					
176. Injuries by animals—																					
Kicked by horse	3	3														3				2	
177. Starvation																					
178. Excessive cold																					
179. Effects of heat																					
180. Lightning																					
181. Electricity (lightning excepted)	2	2														2					
182. Homicide by firearms	64	45	19	6	3	5	1	1		4	1	1		3	2	25	12			5	
183. Homicide by cutting or piercing instruments	8	7	1	2		1									1	4					
184. Homicides by other means (blows)	7	7		2										2		3				2	
By gas asphyxiation	1	1		1																	
By strangulation	1		1		1																
Infanticide	2	1	1								1	1									
185. Fractures—																					
Of leg, by falling casting	1	1														1					
Of skull, by coal bucket	1	1														1					
Of skull, manner unknown	2	2														2					
Of spine, struck by beam	1	1														1					

| | | |

TABLE No. IV.

NATIVITIES OF DECEDENTS, FISCAL YEAR 1915-1916.

Total Deaths During Year	7249

NATIVITIES

San Francisco	1089
Other Parts of California	1021

Other States and Territories.

Alabama	13
Alaska	3
Arkansas	8
Colorado	7
Connecticut	22
Delaware	1
District of Columbia	6
Florida	3
Georgia	10
Territory of Hawaii	9
Idaho	4
Illinois	95
Indiana	46
Iowa	34
Kansas	19
Kentucky	45
Louisiana	31
Maine	73
Maryland	25
Massachusetts	143
Michigan	54
Minnesota	22
Mississippi	4
Missouri	98
Montana	6
Nebraska	9
Nevada	31
New Hampshire	17
New Jersey	28
New Mexico	1
New York	316
North Carolina	7
North Dakota	1
Ohio	106
Oklahoma	1
Oregon	23
Pennsylvania	123
Rhode Island	9
South Carolina	6
South Dakota	4
Tennessee	24
Texas	23
Utah	13
Vermont	19
Virginia	24
Washington	16
West Virginia	5
Wisconsin	38
Wyoming	2
Totals	1627

Foreign Countries.

Africa	1
Austria	85
Australia	27
Belgium	12
Canada	120
Central America	5
China	208
Denmark	51
East Indies	1
England	204
Finland	28
France	133
Germany	644
Greece	27
Holland	8
Hungary	19
Iceland	1
India	2
Ireland	822
Italy	271
Japan	55
Mexico	54
New Brunswick	10
Newfoundland	7
New Zealand	5
Norway	48
Nova Scotia	23
Philippines	6
Porto Rico	3
Portugal	15
Roumania	9
Russia	81
Scotland	75
South America	12
South Africa	3
Spain	20
Sweden	115
Switzerland	57
Turkey	8
Wales	8
West Indies	8
Totals	3290
At Sea	1
Unknown	221

TABLE No. V.

DEATHS BY SANITARY DISTRICTS, PUBLIC INSTITUTIONS, HOSPITALS, ETC.—FISCAL YEAR ENDING JUNE 30, 1916.

Location	Grand Totals	Males	Females
Deaths from all Causes	7249	4519	2730
Sanitary Districts.			
First	1389	785	604
Second	566	336	230
Third	514	265	249
Fourth	692	363	329
Fifth	365	184	181
Totals	3526	1933	1593
Hospitals and Institutions under Control of Board of Health.			
San Francisco Hospital(General)	701	535	166
*Tuberculosis Hospital	155	135	20
Isolation Hospital	67	36	31
Emergency Hospitals—			
Central	223	180	43
Harbor	38	35	3
Mission	19	14	5
Park	10	7	3
Potrero	2	2	
Smallpox Hospital			
Leper Hospital	1	1	
Relief Home Aged and Infirm	264	198	66
Jails and Prisons	5	5	
Totals	1485	1148	337
Other Hospitals, Sanatoria, Homes and Asylums.			
Adler Sanatorium	36	19	17
Alexander Maternity Hospital	6	2	4
Bering Sanatorium	5	5	
Buell Sanatorium	4	4	
Buena Vista Sanatorium	34	20	14
Children's Hospital	71	31	40
Fairmont Hospital	94	60	34
French Hospital	88	56	32
German Hospital	152	108	44
Hahnemann Hospital	80	44	36
Hebrew Home Aged Disabled	7	5	2
Home Aged (Little Sisters of the Poor)	68	22	46
Home for Incurables	25	12	13
Irving Sanatorium	4	3	1
Lane Hospital	170	112	58
Mary's Help Hospital	125	64	61
Morton Hospital	16	10	6
Mount Zion Hospital	93	59	34

* Deaths from July 1 to Dec. 31, 1916, charged to General Hospital.

TABLE No. V.—Continued

Location	Grand Totals	Males	Females
Neal Institute	1	1	
Old Ladies' Home (Lick)	1		1
Old People's Home	11	5	6
Pacific Hebrew Home	3	1	2
Protestant Orphan Asylum	2	2	
Robinson Sanatorium	1		1
Roman Catholic Orphan Asylum	8	4	4
San Francis Girls' Directory	5		5
St. Francis Hospital	121	74	47
St. Joseph's Hospital	113	59	54
St. Luke's Hospital	181	117	64
St. Mary's Hospital	134	82	52
St. Winifred's Hospital	22	14	8
S. P. Railroad Hospital	73	73	
St. Catherine's Home	2		2
Trinity Hospital	22	12	10
University of Cal. Hospital	100	59	41
Union Iron Works Hospital	5	5	
Wakefield Sanatorium	4	3	1
Ward (Florence) Hospital	21	10	11
S. F. Polyclinic Hospital	1	1	
P. P. I. E. Hospital	19	13	6
Totals	1928	1172	756
United States Institutions.			
U. S. Marine Hospital	40	39	1
Letterman General (Army)	72	64	8
Presidio Reservation	8	2	6
Yerba Buena Island Naval Station	1	1	
Fort McDowell	1	1	
Totals	122	107	15
En route to Hospital	112	91	21
Bay of San Francisco	43	41	2
Pacific Ocean	6	5	1
On Vessels in Bay, etc.	15	13	2
Golden Gate and other Parks	11	8	3
Reservoirs and Ponds	1	1	
Totals	188	159	29

TABLE VI.

REPORTS OF INTERMENT, CREMATION AND SHIPPING PERMITS ISSUED DURING FISCAL YEAR 1915-16

TO	1915						1916						TOTALS
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	
San Francisco Cemeteries													
Calvary Receiving Vault	0	0	0	0	0	0	0	0	0	0	0	0	0
I. O. O. F. Rec. Vault	0	0	0	0	0	0	0	0	0	0	0	0	0
I. O. O. F. (For Cremation)	0	0	0	0	0	0	0	0	0	0	0	0	0
Laurel Hill Vault	0	0	0	0	0	0	0	0	0	0	0	0	0
Masonic Vault	8	8	12	12	14	18	12	7	15	13	12	4	135
National Presidio	0	0	0	0	0	0	0	0	0	0	0	0	0
U. S. Marine Hospital	0	0	0	0	0	0	0	0	0	0	0	0	0
Yerba Buena Island													
San Mateo County Cemeteries													
Cypress Lawn (Interments)	94	89	81	93	88	95	92	80	84	80	67	67	1010
Cypress Lawn (Cremations)	44	55	46	48	48	70	70	57	54	47	60	57	656
Eternal Home	5	4	5	10	4	4	6	4	8	4	2	2	58
Green Lawn	8	2	6	5	6	15	4	6	2	7	6	6	73
Hills of Eternity	4	2	7	7	8	13	12	7	6	6	8	7	87
Holy Cross	156	158	178	172	179	205	215	169	202	181	160	146	2121
Home of Peace	5	7	4	6	13	7	9	3	4	12	4	9	83
Italian	42	33	30	28	45	41	45	20	47	35	29	32	427
Japanese	0	2	0	1	2	1	0	2	1	3	1	2	15
Mt. Olivet	64	57	66	71	50	80	104	68	71	63	62	68	824
Mt. Olivet—Cremations	16	15	20	24	22	30	20	17	19	18	21	9	231
Salem	5	7	7	14	14	15	18	6	7	6	16	12	127
San Mateo—Chinese	22	25	16	22	20	18	19	10	13	22	13	20	220
Servian	1	1	1	1	0	0	1	0	2	1	2	0	10
Sunset—Indigent	49	46	60	52	57	66	61	65	55	43	35	26	615
Woodlawn	8	5	12	11	7	7	8	11	8	8	7	7	99
Medical Colleges	2	4	11	10	8	8	10	6	9	20	23	15	126
Outside Points	76	99	102	86	97	107	92	79	62	67	58	67	992
Total	609	619	664	673	682	800	798	617	669	636	586	556	7909
No. of Indigent Dead Interred	71	57	60	63	83	68	81	66	70	71	43	39	772

TABLE VII.

REPORT OF DISINTERMENT AND REMOVAL PERMITS ISSUED DURING FISCAL YEAR 1915-16

CEMETERIES	1915						1916						Totals
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	
DISINTERMENTS FROM.													
Calvary Cemetery	7	36	14	16	38	29	23	27	34	17	30	20	291
City Cemetery	0	0	0	0	0	0	0	0	0	0	5	5	10
I. O. O. F. Cemetery (Bodies).	12	10	8	14	6	6	7	1	13	7	10	12	106
I. O. O. F. Cemetery (Ashes)	0	0	3	2	0	0	0	3	1	0	1	1	11
Laurel Hill Cemetery	3	10	2	5	6	6	0	1	5	6	6	3	53
Masonic Cemetery	3	3	2	9	4	0	1	4	2	13	1	4	46
Mission Dolores Cemetery	0	0	0	0	0	0	0	0	0	0	0	1	1
National (Presidio) Cemetery	0	0	0	0	0	0	1	2	1	0	0	0	4
U. S. Marine Hospital Cem.	0	0	0	0	0	0	0	0	0	0	0	0	0
Cooper Medical College	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	25	59	29	46	54	41	32	38	56	43	53	46	522
REMOVALS TO													
Cypress Lawn Cemetery	6	6	8	20	11	8	3	2	8	11	6	9	98
Eternal Home Cemetery	0	0	0	0	0	0	0	0	0	0	0	0	0
Green Lawn Cemetery	9	1	0	0	0	0	1	0	0	0	0	0	11
Hills of Eternity Cemetery	0	0	0	0	0	0	0	0	0	0	0	0	0
Holy Cross Cemetery	7	40	9	16	35	30	22	29	32	17	32	23	292
Home of Peace Cemetery	0	0	0	0	0	0	0	0	0	0	0	0	0
Italian Cemetery	0	0	0	0	0	0	0	0	0	0	5	3	8
Japanese Cemetery	0	0	0	0	0	0	0	0	0	0	0	0	0
Mt. Olivet Cemetery	0	3	4	3	2	2	5	2	3	2	4	7	37
Salem Cemetery	0	0	0	0	0	0	0	0	0	0	0	0	0
San Mateo (Chinese) Cemetery.	0	1	0	0	0	0	0	0	0	0	0	0	1
Sunset Cemetery	0	0	0	0	0	0	0	0	0	0	0	0	0
National, S. F. Cemetery	2	0	0	0	0	0	0	0	0	0	0	0	2
Woodlawn Cemetery	0	1	2	5	3	1	0	4	0	11	2	0	29
I. O. O. F. Crematory	0	0	0	0	0	0	0	0	0	0	0	0	0
Laurel Hill Cemetery (Ashes).	0	0	0	0	0	0	0	0	0	0	0	0	0
Masonic Cemetery (Ashes)	0	0	0	0	0	0	0	1	0	0	0	0	1
To Homes (Incinerated Ashes)	0	0	3	0	0	0	0	0	1	0	0	0	4
Cal. Interior (Bodies)	0	7	0	0	3	0	1	0	11	2	4	3	31
Cal. Interior (Ashes)	0	0	0	1	0	0	0	0	0	0	0	0	1
Other States	1	0	3	1	0	0	0	0	1	0	0	1	7
Total	25	59	29	46	54	41	32	38	56	43	53	46	522

Report of Recorder

FISCAL YEAR ENDING JUNE 30, 1916.

San Francisco, July 29, 1916.

To the Honorable,
The Mayor and the Board of Supervisors,
City and County of San Francisco.

Gentlemen:—Pursuant to Charter provisions (Article XVI, Section 9), I beg to submit herewith a detailed report of the operations in the Recorder's office for the fiscal year ending June 30, 1916.

PAPERS FILED.

Fiscal year ending June 30, 1916	47,406
Fiscal year ending June 30, 1915	46,198
Increase in 1915-16	1,208

While the increase shown (1,208 instruments) amounts to but little more than two per cent, a study of the receipts by months, to be found on following page, will demonstrate that the lightest volume of business was during the first part of the fiscal year—the latter half of 1915, the exposition year. During 1916 the operations show an appreciable increase over those of 1915, equaling about fifteen per cent.

Of the more important papers, the filings were as follows:

	1914-15	1915-16
Deeds recorded	9,644	10,627
Mortgages	7,113	7,243
Deeds of Trust	2,190	2,615
Leases	473	463
Builder's Contracts	1,251	1,028
Releases	3,837	4,446

The slight increase in the total number of recorded instruments, it will be seen by above figures, was entirely due to increased filings of deeds, mortgages and deeds of trust.

CASH ACCOUNT.

	Cash Receipts	Expenditures	Surplus
Fiscal year 1915-16	$72,874.25	$62,202.96	$10,671.29
Fiscal year 1914-15	72,720.85	62,899.02	9,821.83
Increase 1915-16	$ 153.40		$ 849.46
Decrease 1915-16		$ 696.06	

In addition to the receipts for Recorder's fees, as above, there was collected as desk rentals during the year the sum of $560. This amount was duly paid to the Treasurer as a special account, and is not further considered in the department's operations.

Since the commencement of the new charter era (January 8, 1900), which was also the beginning of my incumbency, the cash statement of the department is as follows:

	Papers	Total Receipts	Total Expenses	Surplus
1900-01	25,776	$ 39,584.45	$33,852.00	$ 5,732.45
1901-02	29,242	45,539.60	39,040.56	6,499.04
1902-03	35,112	54,077.70	43,000.00	11,077.70
1903-04	37,337	57,537.45	43,900.00	13,637.45
1904-05	41,360	63,330.85	43,900.00	19,430.85
1905-06	40,434	62,143.30	40,935.68	21,207.62
1906-07	54,070	83,978.90	56,113.20	27,865.70
1907-08	55,729	85,884.55	61,262.49	24,622.06
1908-09	64,513	105,619.90	70,400.00	35,219.90
1909-10	57,673	97,813.40	71,472.55	26,340.85
1910-11	65,291	107,218.15	73,400.00	33,818.15
1911-12	56,551	95,534.25	75,522.43	20,011.82
1912-13	57,903	91,710.90	72,817.89	18,893.01
1913-14	55,552	76,221.65	65,941.31	10,280.67
1914-15	46,198	72,720.85	62,899.02	9,821.83
1915-16	47,406	72,874.25	62,202.96	10,671.29
				$295,130.39

For the expenses of this department for the past fiscal year the Supervisors appropriated the sum of $66,400. Out of that amount $4,197 was unused and reverted to the city's general fund. Of this sum, $2,697 was from the amount specially appropriated for copying (which is paid for on piece-work basis), while the balance, $1,500, was saved from the statutory salaries.

MONTHLY RECEIPTS PAID INTO THE TREASURY.

1915	July	$ 5,694.20
	August	5,511.90
	September	5,283.85
	October	5,421.45
	November	5,753.55
	December	6,283.50
1916	January	6,097.75
	February	6,013.20
	March	6,998.55
	April	6,710.55
	May	6,588.05
	June	6,517.70
	Total	$72,874.25

MONTHLY STATEMENT OF SALARIES AS CHARGED AGAINST THE RECORDER'S APPROPRIATION.

1915	July	$ 4,912.08
	August	4,954.93
	September	4,837.38
	October	4,923.03
	November	5,053.13
	December	5,304.43
1916	January	5,197.73
	February	5,156.93
	March	5,624.93
	April	5,464.83
	May	5,424.83
	June	5,348.73
	Total	$62,202.96

RECAPITULATION.

Total Receipts for Fiscal Year 1915-1916	$72,874.25
Total Salaries for same period	62,202.96
Surplus to credit of department	$10,671.29

In addition to receipts for Recorder's fees, as above, there was also collected for desk rentals, and paid to the City Treasurer, a total of $560.

NUMBER OF INSTRUMENTS FILED AND RECORDED DURING FISCAL YEAR 1915-1916.

Instruments	Totals
Acceptances and Abandonments of Buildings	1,455
Agreements and Covenants	931
Architect's Certificates	5
Assignments of Mortgages	406
Attachments, Releases and Executions	647
Bills of Sale	541
Bonds	62
Builders' Contracts and Bonds	1,028
Certificates of Redemption—State	68
Certificates of Residence	6
Certificates of Sale, Assignments, Redemptions	200
Decrees	209
Decrees Establishing Title	463
Deeds	10,627
Deeds of Trust	2,615
Election Expenses (statement of)	48
Estray and Lost Property	1
Homesteads, Declarations and Abandonments	380
Judgments, Transcripts, Satisfactions, etc.	349
Leases, Assignments and Surrenders	463
Liens and Releases of Liens	1,376
Lis Pendens	577
Lis Pendens to Establish Title	392
Maps	8
Marriage Certificates and Licenses	6,428
Marriage Contracts	21
Miscellaneous	475
Mortgages of Personal Property	1,662
Mortgages of Real Property	7,243
Notices of Ownership	5
Notices of Sale	820
Partnerships, Limited	19
Powers of Attorney, Revocations, etc.	232
Probates, Decrees of Distribution, etc.	863
Reconveyances	1,817
Releases of Personal Property Mortgages	320
Releases of Real Estate Mortgages	4,446
Separate Property of Wife	2
Sole Trader	5
Street Assessment Bonds	201
Total	47,406

The event of greatest interest to the department was the removal, from the old Hall of Records, to the new quarters set apart for the Recorder's office in the new City Hall. The removal is now an accomplished fact, and was so arranged that, with the greater part of the work done during the closed hours of a Saturday afternoon and the following Sunday, the public and the title searching companies were saved all delay, confusion and annoyance.

I am pleased to report that the new quarters are satisfactory, in most gratifying degree, both to my office force and to the public. I feel it my duty, however, with the costly results of the great conflagration of 1906 still vividly in mind, to call your attention to one safeguard which has not been applied for the protection of the exceedingly valuable papers and record volumes in custody of this department. I allude to the use of wooden furniture and equipment, whereas metal as the sole constructive material where records are stored is now approved by every responsible official throughout the land who has studied the subject.

My requests were for metal equipment exclusively. Owing to the greater cost of the metal construction, I was not enabled to have my ideas in this regard carried out. My advice now is that, as soon as the funds can be secured, all of wooden equipment now in the Recorder's office be changed to metal. The bulky wooden lockers in the basement, used as storage bins for building contracts, are an especially dangerous fire menace, which should not be permanently maintained.

I respectfully invite and urge your Honor and the members of the Board of Supervisors to visit my department and acquaint yourselves with its operations and its requirements.

Very truly yours,

EDMOND GODCHAUX,
County Recorder.

REPORT

OF

Board of Trustees

OF THE

San Francisco Public Library

and Reading Rooms

FOR THE

Fiscal Year Ending June 30, 1916

BOARD OF TRUSTEES.

John H. Wise	2160 Steiner Street
Edward R. Taylor	2326 California Street
Joseph O'Connor	338 Pine Street
Ralph C. Harrison	Mills Building
James D. Phelan	Phelan Building
R. B. Hale	Fifth and Market Streets
Charles H. Bentley	120 Market Street
Max C. Sloss	Supreme Court
Eustace Cullinan	Phelan Building
Washington Dodge	Anglo & London Paris National Bank
Miss McKinstry	2988 Pacific Avenue

The Mayor, ex-officio.

George A. Mullin, Secretary.

Miss M. T. Tyler, Assistant Secretary.

COMMITTEE CHAIRMEN.

Ralph C. Harrison	Books
Eustace Cullinan	Building
Max C. Sloss	Rules
Washington Dodge	Finance
Charles H. Bentley	Branches
John H. Wise	Municipal Relations
Joseph O'Connor	Printing and Binding
Max C. Sloss	Law
Joseph O'Connor	New Building

LIBRARIAN.

Robert Rea.

LIBRARY DIRECTORY.

Main Library	Hayes and Franklin Streets

BRANCH LIBRARIES.

Fillmore	2435 Sacramento Street
McCreery	Sixteenth Street, near Market
Mission	Twenty-fourth Street at Bartlett
North Beach	1457 Powell Street
Park	Page Street, near Cole
Richmond	Ninth Avenue, near Geary

DEPOSIT STATIONS.

Bernal Heights	3536 Mission
Downtown	Emporium
Excelsior	4564 Mission Street
Glen Park	598 Bosworth Street
Golden Gate Valley	3009 Fillmore Street
Ingleside	422 Holloway Avenue
Noe Valley	1308 Castro Street
Ocean View	379 Capitol Avenue
Oceanside	Judah Street and Forty-eighth Avenue
Polk	1303 Polk Street
Potrero	Nineteenth and Iowa Streets
Richmond	2314 Clement Street
San Bruno	2598 San Bruno Avenue
South San Francisco	1202 Railroad Avenue
Sunset	845 Irving Street
Visitacion Valley	100 Leland Avenue

REPORT OF THE PRESIDENT.

August 1, 1916.

To the Honorable James Rolph, Jr.,
Mayor of the City and County of San Francisco.

Sir:

Pursuant to the provisions of Article XVI, Section 9, of the Charter, the Board of Trustees of the Public Library and Reading Rooms presents this report of its activities for the year ending June 30th, 1916.

The reports of the Secretary and the Librarian, appended herewith, cover in detail the operations of the Library in all departments and, while it is not our intention to dwell on the statistics contained in these reports, some figures are herewith mentioned as being worthy of consideration. The growth of the Library since the fire has been indeed phenomenal. After the fire had done its worst we were without any books, except a few that were outstanding and except those in the branch buildings that were outside of the zone of the fire, and these were very few. At the present time the volumes in the Library amount to 176,167. Just before the fire the volumes in the Library were 160,457; thus it is seen that the Library has not only been entirely restored, but more than 16,000 in addition are in the Library. Just before the fire cardholders were 40,479. Now there are 53,513. For the year just before the fire the books in circulation were 830,225. For the year 1915-16 we circulated 1,157,523, and it is well to note this great usefulness of the Library in connection with what it has cost to operate it. The figures show that we expend for salaries 51.7 per cent; that is, only a little more than one-half of the total money expended by us goes for salaries, while 35.4 per cent is for books, periodicals and binding. Thus it will be seen that our Library is not one operated merely to earn salaries, but one for the circulation and for the reading of books. In this respect I think it

well to point out that there is, perhaps, no library in the country in which so small a sum (relatively) is paid for salaries and so large a sum for books. We thus subserve the true and only purpose of a library and furnish the only cause for its existence. It must not be inferred from this that we pay too little in salaries. On the contrary, we pay in most instances larger salaries than are paid in Eastern libraries and at least as much as prevails on this Coast. The reason of our comparatively small salary expense is that no unnecessary employees are put on the staff.

We are making rapid use of the Carnegie money. Out of that money has been built a branch in the Mission district, the work of the architect Mr. G. A. Lansburgh, and which is a success in every particular. The Noe Valley branch is nearly completed and will soon be dedicated. This is the work of the architect Mr. John Reid, Jr., and is a great credit to him. We have appointed the architect Mr. G. A. Lansburgh for the design and building of a branch in the Sunset district of the city and Mr. Ernest Coxhead architect of a branch in what is known as Golden Gate Valley. We now have, in addition to the Main library, seven branches and sixteen deposit stations, and when the two branches in Sunset and Golden Gate Valley are in operation, we will have nine branches. This will make a very large library institution which will require a great deal of money to operate—much more than we have given to us now, particularly in view of the fact that four more branch libraries can be built out of the Carnegie money. It is well for us to insist upon this very strongly because unless insistence is made the needs of the Library will not be appreciated.

The musical part of our Library was greatly enhanced during the year by the sons of the late Rudolph Herold, who generously devoted to the Library the musical scores of their late father, Rudolph Herold.

The Commissioners of the French Government at the Panama-Pacific International Exposition donated, with great liberality and thoughtfulness, the books which they exhibited at the Exposition and which were known as "The Family Library." This collection contains the best literature of France and most of it is handsomely bound.

Two of the most welcome donations to the Library were the two mural paintings by Frank Vincent Du Mond, which were donated by the Exposition Directors and are to be placed in the new library building. These paintings will forever constitute a part of that building and will remain on its walls as glorious reminders of an Exposition without parallel in the world's history.

One of the most successful additions which has been made to the Library has been the story hour for children, which has been started in the Park, Richmond and Mission branches. This was entered upon with much doubt by the Trustees, but its success has been so great as to dissipate all doubt as to its success.

The greatest event, however, of our whole year has been the work done on the Main Library building. The architect of this building is Mr. George W. Kelham, who did so much of the architectural work of our great Exposition. The cornerstone was laid on April 15th, 1916, by the Mayor of the city, and already the work has so far progressed that all the granite is set and much of the interior work has been done. Indeed, unless some unusual event takes place, the building will be occupied by January of next year. The building is indeed a jewel of architecture and its interior arrangements are as perfect as present library architecture can be made. Indeed, our Secretary, Mr. Mullin, and our architect, Mr. Kelham, examined, before the plans were drawn, the principal libraries of the United States, with a view to making ours as perfect as possible. It can be said, I think, with the greatest confidence and without indulging too much in the superlative, that San Francisco is endowed with a library institution in its housing inferior to none in the country.

The press of the city has been very appreciative of our work and we beg to thank them for what they have said in our behalf. We must also say that we have been greatly favored by our staff, without which the results achieved by us could not have been brought about.

Respectfully submitted by order of the Board of Trustees of the Public Library and Reading Rooms.

Edward Robeson Taylor,
President.

REPORT OF THE SECRETARY.

To the Trustees of the San Francisco Public Library and Reading Rooms.

Gentlemen:

Following is a statement showing the Receipts and Expenditures for the year ending June 30, 1916:

RECEIPTS.

Balance in the Treasury June 30, 1915		$ 35,475.70	
Cash on hand (with Sec'y) June 30, 1915		286.55	
Taxes	$96,990.64		
Fines	3,616.40		
Books lost and paid for	166.95		
Bindings injured and paid for	3.90		
Reserve postals sold	256.15		
Subscriptions to Monthly Bulletin	1.25		
Old newspapers sold	16.20		
Refund on periodical subscription	2.00		
Old auto tire sold	4.55		
Old auto tube sold	.60		
Rent Jersey Street flats	92.85		
Witness fees	5.00		
Total receipts		$101,156.49	
			$136,918.74

DISBURSEMENTS.

Salaries	$55,299.65		
Rent of branches	1,710.00		
Books	27,012.13		
Periodicals	2,363.12		
Catalogue cards	1,011.75		
Stationery	218.92		
Printing	2,516.68		
Binding	8,502.35		
Furniture and repairs	3,986.58		
Expense, sundry	1,826.61		
Fuel	993.59		
Water	726.15		
Insurance	870.60		
Total disbursements		$107,038.13	
Balance in Treasury June 30, 1916		29,595.91	
Cash on hand (with Sec'y) June 30, 1916		284.70	
			$136,918.74

RECORD OF DELINQUENTS.

FINES.

43,447	Fines collected, amounting to	$3,616.40	
1,451	Fines uncollected, amounting to	286.00	
44,898	Fines imposed, amounting to		$3,902.40

BOOKS LOST AND BORROWERS' CARDS CANCELLED.

Main library,	45	volumes, amounting to	$ 38.20	
Mission branch,	4	volumes, amounting to	3.85	
McCreery branch,	2	volumes, amounting to	1.30	
North Beach branch,	6	volumes, amounting to	6.75	
Richmond branch,	5	volumes, amounting to	3.90	
Park branch,	10	volumes, amounting to	7.95	
Fillmore branch,	8	volumes, amounting to	6.80	
Deposit stations,	24	volumes, amounting to	21.95	
Total	104	volumes, amounting to		$ 90.70

BOOKS LOST AND PAID FOR.

211	volumes, amounting to	$ 166.95

STATEMENT OF EXPENSES FOR BRANCHES AND STATIONS.

	Mission Branch	McCreery Branch	North Beach Branch	Richmond Branch	Park Branch	Fillmore Branch	Noe Valley Branch	Ocean View Station
Salaries	$3,799.25	$3,303.25	$2,551.25	$3,299.50	$3,641.35	$3,118.50	.....	$ 204.00
Rent	810.00	.....	900.00	.....	.....	.....	.....	.....
Furniture and improvements	1,946.79	116.02	.....	98.80	189.70	146.95	.....	.....
Expense, Sundry	65.50	21.20	14.85	31.60	56.35	39.35	.....	.....
Fuel	64.59	213.44	59.12	190.60	140.97	133.52	.....	.....
Water	29.30	139.62	24.80	186.09	24.25	27.50	.....	.....
Periodicals	161.55	136.95	136.25	131.55	173.20	156.90	.....	.....
Printing and stationery	115.60	80.85	61.45	117.05	140.50	143.70	.....	4.05
Binding	696.00	674.25	384.00	714.90	736.65	710.05	.....	.....
Books	1,720.39	726.49	558.11	1,482.54	1,405.43	1,174.03	4,958.98	.....
Insurance	64.16	151.83	50.84	20.55	206.16	71.65	.....	2.52
Totals	$9,473.13	$5,563.90	$4,740.67	$6,273.18	$6,714.56	$5,722.15	$4,958.98	$ 210.57

	Potrero Station	Noe Valley Station	Sunset Station	South S. F. Station	Glen Park Station	Oceanside Station	Visitacion Station	San Bruno Station
Salaries	$ 420.00	$ 204.00	$ 204.00	$ 204.00	$ 204.00	$ 204.00	$ 204.00	$ 204.00
Rent	.....	.....	.....	.....	.....	.....	.....	.....
Furniture and improvements	.....	.....	.....	.....	.....	.....	.....	.....
Expense, Sundry	.20	.....	.10	2.05	.....	.....	2.45	2.10
Fuel	.....	.....	.....	.....	.....	.....	.....	.....
Water	.....	.....	.....	.....	.....	.....	.....	.....
Periodicals	.....	.....	.....	.....	.....	.....	.....	.....
Printing and stationery	7.85	10.15	7.20	6.60	3.35	3.40	4.90	4.80
Binding	.....	.....	.....	.....	.....	.....	.....	.....
Books	.....	.....	.....	.....	.....	.....	.....	.....
Insurance	2.00	4.96	6.96	4.88	2.35	4.00	.....	3.22
Totals	$ 430.05	$ 219.11	$ 218.26	$ 217.53	$ 209.70	$ 211.40	$ 211.35	$ 214.12

	G. G. Valley Station	Excelsior Station	Polk Station	Down-town Station	Richmond Station	Ingleside Station	Bernal Heights Station	Deposit Collection
Salaries	$ 240.00	$ 240.00	$ 204.00	$ 102.00	$ 204.00	$ 204.00	$ 204.00	.....
Rent	.....	.....	.....	.....	.....	.....	.....	.....
Furniture and improvements	.....	.....	.....	.....	.....	.....	.....	.....
Expense, Sundry	.80	.30	.60	.90	.....	.....	.10	.....
Fuel	.....	.....	.....	.....	.....	.....	.....	.....
Water	.....	.....	.....	.....	.....	.....	.....	.....
Periodicals	.....	.....	.....	.....	.....	.....	.....	.....
Printing and stationery	7.05	5.15	7.60	14.95	7.00	4.30	3.95	.....
Binding	.....	.....	.....	.....	.....	.....	.....	810.30
Books	.....	.....	.....	.....	.....	.....	.....	1,022.09
Insurance	.....	.....	.....	.....	.....	.....	.....	.....
Totals	$ 247.85	$ 245.45	$ 212.20	$ 117.85	$ 210.00	$ 208.30	$ 208.05	$1,832.39

Total, Salaries	$23,163.10	Printing and stationery	761.45
Rent	1,710.00	Binding	4,726.15
Furniture and improvements	2,498.26	Books	13,048.06
Expense, Sundry	238.45	Insurance	596.08
Fuel	802.24		
Water	431.56	Grand total	$48,871.75
Periodicals	896.40		

Books of Deposit Collection have been distributed to Branches and Stations.

Respectfully submitted,

June 30, 1916.

GEORGE A. MULLIN, Secretary.

REPORT OF THE LIBRARIAN.

To the Trustees of the Public Library anl Reading Rooms of the City and County of San Francisco.

Gentlemen:

I have the honor to submit herewith the report of the Librarian for the fiscal year ending June 30, 1916.

The development of the past twelve months marks also the close of a decade devoted to the rehabilitation of the library. When the first steps for the reorganization of the library were taken and the actual work of re-establishing the collection commenced in the basement of the McCreery branch a few months after the fire, the undertaking seemed out of all proportion to our resources. No extra appropriation was made to meet the extraordinary demand made upon a less sum than that accorded other cities of the same size under normal conditions. That this has been accomplished and the use thereof greatly developed is clearly shown in the table of comparative statistics following.

	Circulation		Cardholders		Volumes in Library	
	1904-5	1915-16	1904-5	1915-16	1904-5	1915-16
Main Library	384,424	292,789	19,417	13,920	126,325	95,056
Branches—						
Fillmore	96,488	112,905	4,620	5,510	6,895	11,453
McCreery	74,162	110,288	3,344	5,348	4,735	10,680
Mission	128,396	152,733	5,780	7,095	8,162	12,213
Noe Valley	.....	.....	.....	.....	.....	5,623
North Beach	49,265	64,545	2,546	3,247	4,766	7,216
Park	39,452	142,694	1,965	6,285	4,094	11,358
Richmond	32,231	132,412	1,269	5,351	2,949	9,579
Deposit Collection	23,807	149,157	1,538	6,757	2,532	12,989
Totals	830,225	1,157,523	40,479	53,513	160,457	176,167

Although rapidly assembled, the library is in every detail a substantial one. In many respects it is superior to the collection destroyed.

Many files of early newspapers, local literary weeklies, and other rare and valuable early California and San Francisco items have been gradually replaced. Efforts have been directed to the consistent development of the separate departments, such as the fine arts and technical divisions, as well as the general reference and circulation departments. Very few important works are lacking to make the section of fine arts complete, as particular attention has been lately directed to filling in all the significant gaps. The most substantial and important additions both to this and to the general collection were made possible through the medium of extensive second-hand purchases. The technical books are essentially up-to-date, giving this division the utmost practical value. The section devoted to chemistry enjoys the careful supervision of the Pacific Coast branch of the American Chemical Society and thus keeps abreast of the most useful and important works in this field.

From its inception the music department has been supervised by Mr. Julius R. Weber and the fact that its proportions now warrant the provision made for it in the new library building, is due, in a great measure, to his faithful interest. With the material available and the equipment for its proper exploitation, the music library should take its place among the foremost music collections.

Although the work of restoration can not be considered complete, the quality of the material at the disposal of scholar and artisan, though probably less diverse, is better adapted to practical needs than formerly. The possibilities for extension are unlimited when economy of space need no longer be considered.

The number of branch libraries has been increased to seven. Of the four branch libraries undestroyed, two were in rented buildings. These two have since been removed into permanent structures built from the Carnegie fund. The North Beach branch was reopened in a rented building and is the only one of the seven not permanently provided for. The opening of the Noe Valley branch in the near future will provide for a district hitherto indifferently served by a deposit station. The deposit stations have more than doubled in number. From six stations with a circulation of 23,807 they have increased to sixteen, circulating 149,157 volumes. With the Main library building rapidly nearing completion, the most important attainment of all is within reach.

Notwithstanding the distractions of 1915, the circulation of 1,157,523 is the largest so far recorded and is an increase of 58,765 over the year previous. During the year 26,236 new cards were issued, making a total of 53,513. As our registration is of two years' duration, this compares favorably with other libraries whose registration periods date from three to five years.

Special efforts have been expended throughout the year to develop the work with the children, building up and extending as far as possible the usefulness of this division. To this end the work with the schools has contributed greatly. The story hour conducted at the Richmond, Park and Mission branches has been successful beyond all expectations. At the Main library very little can be accomplished in this field. The children's corner overflows the space allotted and their books have long since been crowded out for lack of shelf-room. No class of readers can benefit more from the promise of the new building than the children, as they have suffered most from the limitations of the present one.

The total number of 176,167 volumes does not fully represent the entire resources of the library. Several thousand volumes of public documents were received from Washington through Senator James D. Phelan, and the French government has donated the "Family Library," an attractive feature of the French pavilion at the Exposition. These books have all been stored temporarily in the basement of one of the fire-proof branches. Valuable donations of music, including that of the Herold and Jacobs estates, have been stored, awaiting the opening of the music section in the new building. An additional donation of several hundred volumes of Spanish books was added to the Cebrian collection. Mr. Cebrian's generosity has made our collection of Spanish literature an enviable one.

The Mission branch was opened to the public December 30, 1915. Satisfaction with the building has been general. It supplies a long-felt want in giving the Mission district a commodious and attractive library. The following extract from the architect's description gives a detailed account of the beauty and dignity of the whole:

"The Mission branch library in San Francisco is an interesting example of an individual type of Spanish architecture. Its design was suggested by the fact that the building is located in that portion of the city called the Mission district. The building faces on two streets, with its exterior in matt glazed cream terra cotta with the ornament around the windows and entrances, in the frieze and belt courses done in polychrome terra cotta of tan, green, orange and blue. The ground story windows and entrances have metal grilles, the roof overhang is wood timbered and the roof is covered with red Mission tiles. The frieze contains the name of the building, while on tablets below the reading-room windows appear the names of authors.

"The main entrance leads directly from the sidewalk through a small vestibule with double sets of doors to the entrance hall, which is finished in marble with plaster cornice. This hall opens to the left into a commodious lecture hall, which also has an entrance from the side street. To the right of the entrance is the children's department. From the vestibule the wide and easy stairs lead directly to the delivery desk in the main reading-room.

"The walls above the book cases and the ceiling are finished in plaster imitation of travertine stone. The windows are round headed and have penetrations over them into the arched ceiling."

An exceptional stock of books, both in point of quality and quantity, has been prepared for the Noe Valley branch. It is expected that some of the patronage of the Mission branch will be deflected to this branch.

Work has proceeded at the Main library under the most congested conditions. The rooms are at all times overcrowded and there is not adequate shelving for the books as they are received. Such conditions have doubled the work in all departments, but in spite of these difficulties, efficient service of the public has not been impaired.

An inventory was taken at the Main library and at each branch and although not quite complete, the number of books missing, particularly from the Main library, is considerably less than expected.

The new library will make necessary a number of new departments whose conduct will require many new assistants. An examination of applicants was held April 8, 1916. The tests were conducted along slightly different lines than formerly and an unusually large number of candidates has taken the probationary work. For the purpose of maintaining the standard of service and encouraging efficiency, some amendments to the rules for library service have been adopted.

The problem of supplying assistants to fill positions during the vacations of the regular members of the staff has been a trying one for a number of seasons past. In anticipation of an increase of this difficulty with the enlargement of the staff, provision for the employment of temporary vacation substitutes has been made. The practice of holding an examination for substitutes when there are no positions to offer save a few months' employment in the summer, will be no longer necessary. By this means it will also be possible to confine the vacations to the three months during which the work is lightest and the period need not be prolonged into the fall.

A series of bibliographies for the municipal reference library has been compiled by the reference librarian and published in the Municipal Record at intervals. The publicity obtained has given some prominence to this department, which is to be an important one when accommodations may be provided for its separate conduct.

The method of supplying the outlying districts by deposit stations has been generally productive of very good results. In some instances, however, more satisfactory arrangements should be made. Conducted in a small store, the library station is usually secondary to a commercial consideration both in point of service and in the amount of shelf-room allowed. The collection, of necessity limited, must be further curtailed to meet these conditions, and room for a few essential reference works and the opportunity to use them is denied. In several locations this lack of a reading room is really a serious deprivation and the matter of some improvement in the establishment of a sub-branch is one worthy of attention. Such a sub-branch in a small rented building with a trained assistant in charge of a suitable assortment of books would be greatly in advance of the present system.

Many other improvements similar to those successfully developed by other cities suggest themselves, but unless the appropriation be increased they cannot be carried out. The appropriation has not kept pace with the growth and development of the library during these later years.

Expansion in the matter of new branches alone under financially inelastic conditions is accomplished with difficulty. The equipment of a new branch involves not only maintenance as well as an increased expenditure for books inadequately provided for, but from the time of ordering the books until all have been catalogued and placed upon the shelves an immense amount of extra work

is exacted of all. With a staff one-third less than that of any other library undertaking a like volume of work this is somewhat of a hardship.

A detailed account of the work in various departments follows in extracts from reports made by heads of departments and branch librarians.

In closing I wish to commend the fine spirit of the staff whose untiring energy and courtesy have made it possible to handle successfully the large volume of work under the most adverse conditions. To them and to the Honorable Board of Trustees I wish to express my sincere thanks for their co-operation and help throughout the year.

Respectfully submitted,

ROBERT REA, Librarian.

REFERENCE DEPARTMENT.

In submitting the report of the reference department for the year 1915-16, it should be stated that the work falls into three main divisions: the use a d care of the general reference library; the handling of bound and current periodicals; and the service given to newspaper readers.

With regard to the reference work proper, the year from beginning to end has been a period of unvarying activity. The requests for books and information, of necessity, cover a wide range of topics. The lines of development in the use of the reference department have been in the sections of fine arts and modern languages, both demand and supply in these subjects having been greater than in past years. The keen interest in modern painting, sculpture, tapestries, and music proved the value of every purchase in these classes; while the collection of books and periodicals in the Spanish language has been a source of pleasure to the readers who drew from it throughout the year.

During the late winter and early spring months there was a remarkable increase in the use of the teachers' professional literature—pedagogics, reviews and all publications bearing on the modern interpretation and application of educational theories. As might be expected, while the schools are in session the help given to school children and the guidance of the library work of the older students have been increasingly important functions of this department.

The use of technical material, always a special feature of San Francisco reading and reference rooms, shows its greatest activity in the lines of chemistry and electricity. There is a marked revival of interest in works on naval architecture and marine engineering. The demand for recently published books on business methods is constant and urgent.

In considering the second division of the service, the care of the current and bound periodicals, it is a satisfaction to note that the range of usefulness of this department has been greatly extended by the additions made to the subscription list during the year; there is active demand for English, French, German and Spanish weeklies, as well as for all art and technical journals. While publications of the higher grade are subjected to the most severe wear, all magazines that print comment on the events of the passing months have a large following of eager readers.

There can be no doubt that the third branch of work assigned to the reference department, supervision of newspapers on file in the library, is of increasing value to the public. The daily attendance of readers is large; but the searching done in the earlier issues of the San Francisco papers by lawyers, newspaper men and others is often of vital importance, as the information sought can be obtained in no other way. It is good to be able to say that the gaps in these files of papers are closing as old copies come to light in various parts of the state, and are acquired by the library.

As the reading and consulting of books, magazines and newspapers must be done in one room, overcrowding has been unavoidable. All available space is

filled from early in the day until closing time. The establishment of the municipal offices in the Civic Center and the location of extension classes of the University of California in the building of the High School of Commerce made the reference department easier of access for many readers. This was particularly noticeable at noon and in the evening. There has been a marked increase in attendance during the hours between six and nine p. m.

According to the practice of making preparation for special holidays and festivals, a selection of Shakespearean literature was displayed during the Shakespeare tercentenary celebration.

In reviewing the twelve months ending June 30, 1916, three points are notable as characteristic of the year's work; first, the large use of reference material, particularly in the sections devoted to fine arts and technical literature; second, the heavy demand for periodicals, with the resulting strain on the supply; third, the increased number of busy men who spend their evenings in the companionship of friendly books.

MARY ALOYSIA BYRNE, Reference Librarian.

CATALOGUE DEPARTMENT.

There were catalogued in this department for the fiscal year just ended, 24,407 volumes. Of this number, 13,763 were new titles, an increase of 2,292 new titles over the preceding year. While the total number of volumes shows a decrease of 446, this is due to the fewer number of replacements of worn-out copies. The following table shows the number of books catalogued:

	New Titles	Additional Volumes	Additional Copies	Replacements	Total
Main Library	6,250	2,398	1,030	1,762	14,440
Branches	7,513	615	3,578	1,261	12,967
	13,763	3,013	4,608	3,023	24,407

In the Branch department, the transference of the records from the small branch union cards to the larger cards has been completed, rendering the branch work easier to handle. The small cards have been arranged in shelf-list form to facilitate their use for reference. About 4,300 volumes are ready for the opening of the Noe Valley branch.

The librarian of the Richmond branch has completed the shelf-list for that branch, and the shelft-lists for the Fillmore, Mission, and McCreery branches are nearing completion under the supervision of the branch librarians. Guide cards were made for all the branch catalogues, replacing the old ones in use. The department proposes next year to make cross references to bring out all related subjects in these catalogues. This will increase their usefulness making the resources of the libraries more available, by calling the attention of patrons to many subjects of interest which might otherwise remain unnoticed.

The great number of Library of Congress cards ordered is due to the increased number of new titles added and to the constant replacement of soiled cards in the cabinet, by new cards. These soiled cards show the great usuage the catalogue receives.

The publications during the year included the regular Monthly bulletin, the annual cumulated author list, and a list of current periodicals. The proof for the annual report was, as usual, read in this department. Lists of books on business, commerce, child welfare, gardening, and art appeared in the Bulletin. The list of books on art, with special reference to the art exhibit at the Exposition, was prepared in the Reference department, the other lists were prepared in this department. A list of books on vocational guidance was set up on

the multigraph and distributed to the graduating classes of the grammar schools through the co-operation of the Board of Education. The improved appearance of the Monthly bulletin is due to the change of type and to the arrangement of the classes of books. Still further improvement could be made, if annotations of some of the more important books were added in the form of quotations from book reviews.

With so few assistants it is difficult to undertake some very desirable projects, such as further analytical work (especially in connection with the juvenile catalogue) and the issuance of printed lists. However, a list of the more popular books in the library in the Spanish language is in preparation. Such a list is in great demand and it is hoped to complete it in the near future.

The work of re-classifying the public documents is contemplated. The Superintendent of Documents at Washington has issued a check-list of documents which makes their use more convenient in many ways. It is proposed to make our system conform to the numbering of this check-list. The chief cataloguer visited Sacramento during May to investigate the usuage of the State Library in this regard.

Each of the thirty-one probationers under examination spent a week in the catalogue department. Being taken in groups of five or six, they were given some rudimentary instructions in the technical side of library work by means of lectures and actual practice on some of the simpler records. The aptitude which they displayed helped to determine their fitness for positions in the library and prepared the successful candidates for an understanding of the fundamentals of library work. The interest and progress shown by the probationers demonstrated the values of such lectures.

ALICE M. HEALY, Chief Cataloguer.

ORDER DEPARTMENT.

The total number of volumes purchased during the year is 25,647; of this number 16,404 are new titles, 4,608 additional copies and 3,023 replacements: Although this is an increase of 1,000 new titles added, the fact that 5,623 volumes comprise the Noe Valley branch shows a decrease in the actual amount of new material provided.

A comparatively limited number of new books whose quality and popular interest justifies their inclusion in a public library have been presented by the book trade for the consideration of the reading public. Consequently fewer new titles have been selected monthly, by the Book Committee, from the material brought to their attention through the regular channels of trade and literary reviews.

The paucity of output is particularly noticeable in the British publications, and the American market has been correspondingly influenced. Literary activities along the lines of scholarly, and technical or popularly informative works, have been suspended to a great extent on account of the war.

On the other hand, the decrease in the number of volumes added, apart from the impetus lacking in the supply of new books, is also indicative of the gradual solidification of the collection. The policy of the library in purchasing thousands of volumes yearly from second-hand book dealers has been necessary for the establishment of the library on those foundational works of substantial value that are no longer in print. Thus the decrease in second-hand purchases from 6,000 volumes last year to 3,436 volumes for 1915-16 is evidence of the determined and permanent growth of the essential composition of the library.

The principal additions were made in the fine arts division. A number of very fine sets and single works of value have been acquired. Dictionaries in Slavic and non-European languages were added to the reference collection.

Several hundred volumes of new material were provided for both the Richmond and Mission branches and many of the older books at the Mission branch have been withdrawn for the substitution of more up-to-date reference works.

The Noe Valley branch will open with an exceptionally attractive and complete stock of books. Many months have been devoted to providing this branch with a well-selected, practical and useful collection. A similar selection is to be provided for the Mission branch, whose supply of books will be further extended and freshened.

The contract for furnishing domestic publications was again awarded to the White House. Some slight changes in the discounts offered for the coming year have been made, but an entirely desirable arrangement for the library continues in force.

Foreign and other publications remain with Stechert & Co. of New York, who afford superior service and moderate terms as usual.

Many new works have been added to the music section on the recommendation of Mr. Julius R. Weber. A valuable gift of Mr. Rudolph Herold's orchestral library was presented to the library by the Messrs. Rudolph J., Oscar, Hugo, and Roderick Herold. The late Mr. Herold's library is a well-known and important collection and will greatly enhance the quality of the music section.

Mr. John C. Cebrian has increased his donation of Spanish books by several hundred volumes. The Spanish section under Mr. Cebrian's patronage is becoming a notable one. Mrs. Rafaela G. de Marcor very kindly compiled an elaborate list of Spanish additions, the greater number of which were at once ordered. Miss Godchaux, as before, has directed the principal French purchases.

ANNETTE WINDELE, Chief of the Order Department.

BINDING DEPARTMENT.

The number of books bound for the branches is approximately the same as last year. The increase shown below is confined principally to the Main library and the deposit stations.

	1914-15	1915-16
Main library	4,417	5,609
Deposit stations	1,276	1,717
Fillmore branch	1,182	1,309
McCreery branch	1,126	1,378
Mission branch	2,104	1,565
North Beach branch	669	719
Park branch	1,514	1,495
Richmond branch	1,242	1,409
Totals	13,530	15,201

TABLE SHOWING MATERIALS USED.

BOOKS.

	*Oa	HB	Cow	Mor	Vel	OaP	Rec
Main library	2,813	1,544	95	17	21	47	57
Deposit stations	1,672	45	....	....	....	....	....
Fillmore branch	1,099	130	8	....	....	4	....
McCreery branch	1,153	148	8	....	....	1	....
Mission branch	1,307	179	11	....	....	2	....
North Beach branch	628	22	4	....	....	1	....
Park branch	1,117	291	8	....	....	....	5
Richmond branch	1,230	104	5	....	....	3	3
Totals	11,019	2,463	139	17	21	58	76

	Periodicals						Newspapers	
	HB	Cow	Duck	Mor	OaP	Rec	Duck	Totals
Main library	567	55	159	136	6	2	90	5,609
Deposit stations	.....	.....	.....	.....	....	....	....	1,717
Fillmore branch	10	58	.....	.....	....	....	....	1,309
McCreery branch	9	59	.....	.....	....	....	....	1,378
Mission branch	10	45	.....	.....	....	....	....	1,565
North Beach branch	8	56	.....	.....	....	....	....	719
Park branch	21	53	.....	.....	....	....	....	1,495
Richmond branch	12	52	.....	.....	....	....	....	1,409
Totals	637	378	159	136	6	2	90	15,201

*Oa—Oasis
HB—Holliston Buckram
Cow—Cowhide
Vel—Vellum
OaP—Oasis paneled
Rec—Re-case
Mor—Morocco

The rebinding of books and the binding of periodicals, newspapers and other serials, continues to be very satisfactory. Some improvements in the finishing have been suggested for the coming year.

The work of the year includes the binding of eight sets of magazines purchased unbound. Among these may be mentioned 108 volumes of the London Quarterly Review and 37 volumes of the Pennsylvania Magazine. There were also bound 179 volumes of the publications of the Early English Text Society.

PERIODICAL DEPARTMENT.

The periodicals subscribed for at the present time are practically the same as last year. The total of these now amounts to 375 for the Main library and 301 for the branches (These figures include duplicate copies). The Main library also subscribes to 27 newspapers, and each branch to 5 local newspapers. A number of periodicals and newspapers are received as gifts (periodicals 153, newspapers 53). These gifts do not include federal, state and municipal documents nor university and library publications.

A number of periodicals have ceased publication during the year and several have been consolidated.

G. E. Stechert & Co. of New York City continue to supply the library with its foreign periodicals. These are not received as regularly as during the first year of the war, but the greater portion of them eventually reach the library.

BERTHA S. HAFNER, Binding and Periodicals.

BRANCHES AND STATIONS.

Although the actual growth is indicated in the figures of the statistics, the steady increase in all departments of the work and the new activities undertaken in the new and old branches alike, constitute a significant development apart from the gains in circulation. The new buildings for the Mission and Richmond branches have been inadequate in every respect for the sections served. At the busy periods at the Mission branch the building is well filled but not to discomfort. More reference work has been done advantageously and the public need depend less upon the Main library as a source of casual help and information.

A better understanding of the resources of the Main library as available for branch readers through the messenger service, is becoming more general. The change in the form of order slip has given more latitude in filling the orders and the number of those returned unfilled is consequently lessened. Many of the orders received daily at the Main library must be looked up in the main catalogue for call number or other information.

It has been difficult to meet the demand for foreign books for readers at the branches and stations. Owing to the lack of a printed list the main collection is comparatively inaccessible for these readers except for calls made for recent titles appearing in the Bulletin. In order to improve the supply for each branch it will be necessary to add extensively to the deposit collection.

The story hour has been established in three of the branch libraries and will be adopted in all as soon as suitable provision can be made to undertake this work successfully. Not only is it of great interest to the children but it is a very necessary feature of work with juvenile readers.

Although there is always a public demand for new branches it is not always possible to respond. A new building in the Noe Valley will be occupied as the seventh branch, and will be opened in the near future. At present five of the branches are in permanent library buildings.

No new stations have been opened during the year but the end of the station department in supplying books for those who for lack of time can not go to any library has been conscientiously served. Meetings of the branch librarians were held at intervals throughout the year.

The formal opening of the Mission branch took place December 30, 1915. Although the opening had not been advertised it was very well attended. The comfort, beauty and equipment of the building met with general approval and appreciation. It is now felt to be permanently adequate for the district.

At the North Beach branch development is hampered to a certain extent by the overcrowded building. The shelves require constant shifting and supervision to preserve any degree of order. The greater number of the juvenile readers at this branch are of the Oriental and Latin races.

The advance accomplished by the Richmond branch in the past two years has been considerable and even greater growth can be hoped for. The district is a large and growing one and is extremely progressive.

At the Park branch colored picture books have been provided for the younger children. Besides providing entertainment and distraction for the children they have been of great assistance as they spare the collection much handling and lessen the time taken up by unnecessary sorting. Special occasions such as the Shakespeare tercentenary, etc., have been prepared for with assortments of books and picture posters.

The Fillmore branch in spite of the alterations made not long ago is much too small for the number of readers who come daily to this branch. Particularly in the winter, conditions are most uncomfortable.

BELLE A. GOLDMAN,
Supervisor of Branches and Stations.

MISSION BRANCH.

After more than twenty-five years, during which the Mission branch has outgrown a number of temporary locations, it is permanently established in the new building at Twenty-fourth and Bartlett streets. This is the second branch to be built from the Carnegie fund and has justified expectations in the handsome and practical building designed in harmony with the historic associations of the Mission and meeting every requirement of comfort.

The greater part of the collection acquired in recent years is a substantial and important basis for the new building's collection. Numbers of the oldest works have been abandoned and preparation has been made for the introduction of several hundred new books. Many of these new books of a practical and interesting quality have been purchased and are in process of cataloguing. It is intended to renovate the whole collection and to make further additions to all the classes.

At present the children's department is included in the main reading room but a separate room has been provided on the ground floor for this branch of

the work. The story hour is being conducted here with great success, and when the juvenile work is undertaken separately the best results may be looked for.

With the additional space afforded by this transfer, the building will meet comfortably the demand made upon it by the large district served, as well as provide additional shelf-room for the new books needed. The circulation of 152,733 volumes is an increase of 2,800 for the year. In consideration of the decrease incident to the days during which the library was closed for removal this is a satisfactory advance in proof of durable growth.

A complete revision of the records has been undertaken and the installation of a separate shelf-list completed. The work of taking an inventory of the books is well under way.

The total number of volumes in the branch at present is 12,213 and the number of cardholders is 7,095.

The timely use of every possible means of extending the library influence through the schools and district organizations contributes to increase the number of persons availing themselves of the library's resources. With the opening of school many activities suspended during the later months of the term and during vacation will be resumed and with the new books well on their way, greater development can be looked for in the coming months.

PARK BRANCH.

Work at the Park branch maintains a steady increase in all departments. During the winter months the attendance was unusual. It was difficult to accommodate the number of readers who crowded the building during the busy hours. The usual slight decrease incident to the summer months is more noticeable this year in contrast to the sustained circulation of last summer due to the Exposition.

Additions for the year have been many and well distributed throughout the classes. The demand for French and German books continues, and, in addition, requests for Spanish books have been very general.

The juvenile department becomes more popular yearly, the seating capacity is far too limited and our shelf-room will soon be overcrowded. In May the story hour was introduced and has been very well received. The schools were notified and announcement made in the neighborhood paper and as a result an attendance of from eighty to two hundred children between the ages of four and twelve years has been recorded each week.

Programmes consistent with the age of the children and arranged to be instructive and interesting have been carried out.

The picture bulletins and posters have been of interest to adults as well as to the children.

A long felt want has been filled in the supply of picture books for the smaller children. The younger children are satisfied with these table books instead of misplacing numbers of books on the shelves in a search for colored pictures.

The amount of reference work is constantly increasing. With the important additions made to this section during the year the material at our disposal is greatly improved and requests for assistance can be met with facility.

The customary visits have been paid to the neighboring schools and the same harmonious co-operation has been maintained.

New cabinets for catalogue and shelf-list have been installed, adding greatly to the working convenience.

RICHMOND BRANCH.

The second year in the new Carnegie building has been one of continued growth. The increase of patronage shown with the establishment of the branch

in the new building has not wavered and the total circulation for the year of 132,412 volumes for home use is an advance of 20,057 over last year. The number of cards in force has increased to 5,351, an addition of 936 for the year.

The story hour for children was started at this branch in March, and has been an important feature of the year's work. The auditorium was arranged as comfortably as possible, by the installation of low benches for the little children, and the addition of posters and flowers has added to the general interest and attractiveness.

The story hour is held every Friday afternoon after school and has been very well attended. From 96 to 275 children have attended weekly. The first half hour is devoted to the younger children and the last half to the older ones.

The programmes are planned to begin with fairy stories, legends and other favorites, and to progress gradually to the popular classics of all literatures.

The schools in the vicinity have been visited and applications have been distributed to teachers and pupils. The library has successfully supplied the demand thus created for books supplemental to school work and of a class indicative of better directed reading. Material for teachers' lists have been supplied partly from the branch collection and partly from the Main library.

The supply of reference books has been greatly improved. Everything is up-to-date and practical. Old editions have been replaced by the very latest and many new authorities have been added. Consequently reference work can be readily and satisfactorily undertaken with excellent results. All the miscellaneous books are being analyzed, giving prominence to all the available material on different subjects not brought out in the cataloguing, making such data readily accessible at short notice.

Careful supervision of the shelves in promptly discarding soiled and shabby copies of books and rebinding those in need of restoration improves the general appearance of the collection and adds to the working value of the books.

The extra copies of the daily newspapers have been a source of satisfaction to the patrons and an improvement in this service.

During the time spent by probationers at the branch an inventory of the books was taken with their assistance.

The building is comfortable and commodious and is a constant source of satisfaction to all who use the library.

FILLMORE BRANCH.

During the past year the work at this branch was affected to a great extent by the Exposition. The call for books on art, architecture, music, legendary lore, etc., was more pronounced than ever before. Continued interest in this class of reading has perceptibly lowered the fiction percentage. As the knowledge and appreciation of the collection of music at the Main library has increased, some patrons have preferred to consult the music there directly, rather than send for it through the branch, thus recording a decrease of usage here in that class of books.

With the exception of occasional interest in Exposition topics, the demand for material for club programmes, usually a prominent feature of the work at this branch, was not as great as usual. This activity will no doubt be renewed in the coming months and preparation for it is being made by listing magazine material on topics of current interest.

The schools have been visited and every possible assistance has been given in filling the wants from teachers' and children's lists. It is, of course, impossible to meet the demand for fifty or more copies of supplemental texts but everything that is within our resources is at their disposal. Several private schools in the neighborhood have specialized along reference lines not coincident with that of the public school, and it is therefore possible to help both.

The class of new books received during the year has helped to increase the reading of non-fiction. Many popular and timely works of general interest in all the classes have been received as well as the new fiction.

Statistics for the year show a noticeable increase but the need for a larger building grows more evident every month. Some minor repairs have been made but the branch is much crowded for shelf-room, and is without space for the activities which the newer branches are able to develop. This is particularly true of the children's department, for which a separate room is an urgent necessity.

During the last month an inventory of books was taken. In this the probationers who were at the branch during that time were of practical assistance as well as eager to learn and genuinely interested.

McCREERY BRANCH.

The number of volumes circulated for home use during the year was 110,288, showing an increase of 6,683 over last year. This increase is characterized by an unusually large juvenile circulation. The number of juvenile books issued was 26,052, slightly less than one-fourth of the total circulation.

Applications have been distributed in all the schools in this locality and the number of school pupils using the library has greatly increased. Even better results may be looked for when the story hour shall be conducted at this branch within the next few months.

An effort to popularize the other departments of the library through some relation with neighborhood organizations is programmed for the near future. The exceptional facilities at this branch are well worth the encouragement of greater extension.

The number of new cards issued was 2,328, bringing the total number of cardholders up to 5,348.

The card catalogue has been enlarged and some work of revision has been completed. Soiled and worn-out cards have been replaced and many additional entries made. The work of compiling a new shelf-list uniform with that of the main library has been undertaken.

The reference collection at this branch is one of the most comprehensive and useful. Some additions have been made during the year and the encyclopedias are to be withdrawn in favor of later editions.

Arrangements have been made for the renovation of the building and the installation of new lighting fixtures.

NORTH BEACH BRANCH.

The result of the visits paid to the numerous schools in this vicinity has been felt in the increased number of children who use the library. The connection being first established through the medium of the school work, it is not long before an appreciation of everything the library has to offer is developed, consequently tne children's corner is crowded daily. Lists of books of particular interest have been prepared from time to time and have been of interest and assistance. It is not possible to introduce many features of the work with children such as have been undertaken at the larger branches solely on account of the lack of room. The field is an excellent one, as the direction of the reading of the Oriental children and the children of other foreign parentage is a necessity. The present limited space not only hinders the work but does not afford shelf-room for needed books.

The greatest number of additions for the year have been in the juvenile department where many lacks have been supplied.

The circulation for the year totals 64,545, or which 2,633 were books in foreign languages.

Assessor's Report

San Francisco, August 1st, 1916.

Hon. James Rolph, Jr.,
Mayor of San Francisco,
City Hall.

Dear Sir:

In compliance with the provisions of Section 9, Article XVI, of the Charter, I beg to submit my annual report for the fiscal year ending June 30th, 1916. I have compiled tables from the Budgets since 1901 showing the expenditures of each department of the City Government, annual appropriation, cost per capita, and what proportion of the entire Budget each department requires, also table of cost of assessing since 1880.

Respectfully yours,

JOHN GINTY,
Assessor.

ASSESSMENT ROLLS.

On July 3rd, I delivered to the Clerk of the Board of Supervisors the assessment rolls of the City and County. With the increasing work of the office, it is becoming more apparent that the time allowed by the State law, from the first Monday in March to the first Monday in July, is too short a time to complete the work in a satisfactory manner, and the appropriation for this office is insufficient to make needed investigation. This year, there was a delay in furnishing the office with proper furniture and proof reading rooms, where work requiring seclusion from noise and interruption can only be correctly done. These rooms were built in the building for use of this office, and every department in the city except the Assessor's Office has been furnished rooms for this purpose, but mine were taken away from me over my protest for use of another department. This fact increases the possibility of clerical mistakes, which might lead to a loss of taxes.

The building committee ignored all requests from this office, and the spirit for better work was broken by knowledge that those offices having the spending of money, were better taken care of than those offices whose principal duty is to provide revenue for the City and this office provides 81% of the entire revenue. It is a well known axiom that to do good work the employee must do it enthusiastically, and if proper equipment and recognition of good work performed is not given, enthusiasm in the work will fade correspondingly. The fair and legal assessment of property is, perhaps, the most vital business of local government; the Assessor's duties are correspondingly responsible, and his work is so important to the people that he should not be needlessly hampered by a lack of proper facilities and accommodation.

It is absurd to expect that the Assessor's Office can go on year after year on the same budget appropriation. No other office, public or private, reflects the conditions in San Francisco as does the Assessor's. The average increase of population during the last fifty years has been seven thousand a year, which means increased cost in distributing and collecting statements and taxes on personal property, with the additional entries in the cash book and assessment roll.

New buildings call for new appraisements, and additional map work, buildings torn down or destroyed by fire require the same amount of extra work.

Subdivisions of land also increases map work, appraising and writing of the roll.

A lively real estate market requires more changes of owners on the block books and adjusting of assessments to correspond with new sales.

A depressed real estate market lowers values, and more complaints of over assessments are made, requiring new investigations and adjustments.

New stores, manufactures and business enterprises require new investigation and alertness to prevent them from escaping taxation of their personal property; also furnishings for new hotels, apartment houses, flats and residences and new taxable shipping. Even deaths add their quota to the increased work in the form of searching the probate records for inventories of personal property, often leading to discovery of a large amount of property that was never returned for assessment when decedent was alive. Correspondence by mail increases each year.

All this additional work is not easy, nor does it flow into the office like water running down hill but requires study and investigation bordering on detective work, as well as ingenious plans to obtain the information necessary to make a fair, equitable assessment. Installing of new labor saving systems makes it possible to do a greater amount of work in a short time, but costs money to install. The law only allows the Assessor about ninety days to complete the assessment, collect taxes, and write rolls for 150,000 pieces of real estate, and eighty thousand buildings. The ownership is represented by 155,000 names, while the personal property calls for more than 160,000 personal property assessments.

REAL ESTATE INDEX.

Quite a saving could be made if the real estate index was printed and the type left standing, as the changes in ownership are less than twenty per cent. per annum. The cost the second and subsequent years would be only one-fifth of the cost of the first year's installation. In addition, the publisher would probably find sales for a large number of copies to real estate men, searchers of records, bankers, insurance brokers, merchants, newspaper men, advertising men and attorneys; giving them complete record of ownership of every lot in the city, which could be found as quickly as a name and address can be found in the city directory or telephone directory.

LACK OF EQUIPMENT.

This office has never been fully equipped. In other counties the county surveyor makes the block books. New York City has one appraiser for every 10,000 lots, and pays each of them $7000 a year. San Francisco has only three appraisers and pays them $2100 a year. It would require five years for three men to correctly appraise the values of the whole city, and the law requires it to be done each year.

The expenses of this office are not governed entirely by charter provisions, or the will and pleasure of the Board of Supervisors, but are obligatory by State law. Section 3658 of the Political Code reads:

"The Board of Supervisors of each county shall furnish the Assessor the necessary room, furniture, stationery and the proper books, blanks, maps and plat books for use of his office. If the Board of Supervisors of any county fails or refuses to provide and furnish the Assessor with the proper books, necessary office room, furniture and stationery as in this section provided, then the State Board of Equalization must, upon the application of the Assessor, provide and furnish the same. The cost of such books, blanks, maps, plat books, office room, furniture and stationery shall be a county charge, whether same be provided and furnished by the Board of Supervisors or by the State Board of Equalization, and must be paid in the same manner as other county charges from the county general fund."

The state board has a right to deduct the cost from any moneys due the county by the State.

THE NON-OPERATIVE ROLL.

The non-operative roll taxed exclusively for the city purposes is as follows:

Value of Land	$303,575,489
Value of Improvements	175,387,605
Value of Personal Property	64,599,762
Total	$542,562,856

As will be seen, land pays 55 5/10 per cent of all taxes, improvements 32 3.10 per cent, and personal property 12 2/10 per cent. The non-operative roll shows an increase over that of 1915 of $3,859,106, notwithstanding $264,650 was taken off of improvements due to depreciation, and $435,920 was transferred to the operative roll, and $1,598,492 was lost on land in re-appraising property to correspond with values as evidenced by later sales. Approximately $785,588 was added to land values due to increased values as shown by sales. It also includes increased assessed values on lands formerly occupied by the Panama Pacific Exposition which have been turned back to the owners on cancellation of their leases. The total of the operative roll, taxed exclusively by the State is $215,789,509, an increase

of $98,149,030 over last year. This is mainly due to the assessment of the franchises of all corporations made by the State Board of Equalization, and it is the first time it has appeared on the San Francisco roll, and will result in the State paying to the City on a basis of an 18 cent rate, $176,668 to be applied on bond interest and redemption of bonds that were outstanding, November 8th, 1910.

As a saving of expenditure of $54,256 equals one cent in the tax rate, this new assessment is equivalent to a saving to the tax payer of 3¼ cents in the city tax rate this year.

Last year I was denied an appropriation of $250 to obtain these assessed values from Sacramento, resulting in the city losing the taxes on the franchise assessments. This year your finance committee granted me $300 for this purpose, and the city will receive about $170,000 in return for the $300 appropriation, a striking example of complying with the request of this office for additional appropriation, when it is shown it would result in an increase of income to the city.

The total amount of taxes the city will collect on $2.33 rate is $12,641,714. The total assessment of operative and non-operative property is $758,352,365. If this amount was subject to city tax rate to raise $12,641,714 the tax rate would be $1.667 on the $100 assessed value. The average assessed value per capita is $1435.

COST OF COLLECTING TAXES.

The cost of collecting unsecured personal property taxes by this office is about $10,000 a year and as the Tax Collector has to collect an additional amount on account of an increased tax rate, the same work the Assessor is required to do is again required to be done by the Tax Collector; a needless duplication of work and expense.

Prior to 1874 the Assessor was not required to collect taxes and California is the only State in the Union collecting on two different tax rates the same year, increasing the cost of collecting taxes and annoying the tax payer. While it may be useful in some counties, it is a nuisance in San Francisco, and the law should be amended so that this city would have the right to collect the unsecured personal property taxes at the same time that the taxes on secured property are collected; the loss, if any, would be insignificant as few people would take the chances of being sued for delinquent taxes and have a judgment docketed against them that is collectable in any county or state to which he may remove.

EFFICIENCY RECORD.

In 1899 Dr. Washington Dodge was elected Assessor. He brought with him new men who established and installed an equitable, scientific and honest method of assessing, which led to the discovery of a large amount of personal property that had escaped taxation. Established principles of taxation that had not been heretofore adjudicated, including the assessment of franchises, National banks, mortgages secured by land outside of the State, loans secured by exempt collaterals, stocks of corporations whose assets were located outside of the State, shipping, bonds and moneys deposited in New York (the owner being a resident of this State). Twenty-three cases were appealed to the Supreme Court, and in every case the work of the Assessor was sustained.

In 1903 the assessment of Personal Property was $86,172,201 higher than in 1898; assuming this newly discovered property has been assessed each year since that time, and applying an average city tax rate of $1.517 as the rate which this increase has paid, the city has collected $20,919,335 in the last sixteen years; even allowing a liberal estimate for changes and withdrawal for state purposes, the city is still millions of dollars ahead for having selected a capable, honest Assessor.

During this term the total expenses of the Assessor's Office has been only $1,664,596. This makes a record for efficiency and knowledge of assessment laws unequaled in the United States.

Since 1912 the city has collected over $128,000 taxes on impounded money in United States courts, heretofore considered non-taxable by able attorneys and this year the increase in taxes on franchises, assessed for the first time, is $170,000. This last named assessment will be repeated in future years until all bonds outstanding November 8th, 1910, have been redeemed.

Notwithstanding the increased work of the office incident to the discovery of new property and subdivisions of land, the cost per $1,000 assessed value has steadily declined from 32 cents in 1898 to .137 in 1916 as shown by the following table:

Year	Total Assessment	Budget Expense of Assessor's Office	Cost per $1000 Assessed Value	City Tax Rate	Assessor
1880	$253,545,476	$222,628	$0.875	1.37	Alex. Badlam
1881	222,433,400	133,732	.601	1.57	
1882	202,162,007	107,398	.531	1.15	
1883	221,225,245	87,145	.393	1.2063	Louis Holtz
1884	223,509,560	87,418	.391	1.20	
1885	227,609,348	87,999	.386	1.125	
1886	230,151,009	78,576	.341	1.0489	
1887	251,746,111	84,388	.335	1.0110	J. C. Nealon
1888	273,380,616	84,143	.307	1.1478	
1889	306,040,405	87,825	.280	1.067	
1890	301,444,140	84,534	.279	1.00	
1891	311,556,079	82,318	.264	1.03	John Siebe
1892	346,224,706	83,105	.240	1.03	
1893	342,644,174	81,123	.236	1.00	
1894	325,108,898	96,205	.295	1.03	
1895	327,805,147	110,576	.337	1.00	
1896	422,069,716	106,032	.251	1.565	
1897	347,954,920	104,352	.299	.9692	
1898	352,344,061	112,831	.320	1.1854	
1899	405,111,615	86,658	.213	1.318	W. Dodge
1900	410,155,304	84,199	.205	1.029	
1901	413,099,993	85,200	.205	1.0762	
1902	419,968,644	91,200	.217	1.02262	
1903	545,866,446	95,200	.174	1.076	
1904	502,892,359	95,200	.189	1.12	
1905	524,230,936	95,200	.181	1.164	
1906	375,932,447	79,200	.210	1.322	
1907	429,611,618	89,200	.207	1.415	
1908	454,334,160	95,200	.209	1.50	
1909	492,867,037	100,200	.203	1.60	
1910	515,028,100	100,700	.195	1.647	
1911	545,064,347	101,200	.185	2.00	
1912	604,813,249	101,200	.167	2.05	John Ginty
1913	623,847,729	101,200	.162	2.20	
1914	647,207,514	101,200	.156	2.25	
1915	656,344,229	98,600	.150	2.26	
1916	758,352,365	104,100	.137	2.33	

Report of Playground Commission

August 26th, 1916.

To the Honorable James Rolph, Jr.,
Mayor, City and County.

My Dear Mr. Rolph:

In accordance with provisions of the Charter of the City and County of San Francisco, I am forwarding herewith the report of the Playground Commission for the fiscal year 1915-16.

Very truly yours,

FRANK A. LAWLER.
Secretary.

The past fiscal year was perhaps the busiest period of the Playground Commission since its inception. Hamilton Playground was remodeled so as to afford the maximum amount of play space; construction on the improved Spring Valley site was started; plans and estimates for the remodelling of North Beach, Southside and Presidio were prepared, and the year was rounded out by the completion and dedication of the Mission Baths on Sunday, June 18th, 1916.

The Commission has been amply rewarded for the work done by the splendid use of the grounds by the children, the interest of the parents in the playgrounds established and the requests for playgrounds from those neighborhoods which the Commission has been unable to serve.

The sum of $78,685.82 was available for the work of the department which was expended as follows:

EXPENDITURES.

Administration:		
Labor	$ 305.00	
Operating Supplies	1,666.96	
Play Supplies	524.64	
Salaries	8,380.07	
Stationery, Printing, etc.	140.65	
Sundry Expenses	100.20	
		$11,117.52
Bath House (North Beach):		
Construction	91.75	
Labor	203.00	
Operating Supplies	1,668.06	
Play Supplies	9.35	
Salaries	1,159.34	
		3,131.50
Bay View Playground:		
Labor	54.00	
Operating Supplies	37.55	
Play Supplies	60.46	
Salaries	900.00	
		1,052.01
Excelsior Playground:		
Construction	321.18	
Labor	1,056.00	
Operating Supplies	573.09	
Play Supplies	263.96	
Salaries	3,295.00	
Stationery, Printing, etc.	1.60	
Sundry Expenses	9.00	
		5,519.83
Hamilton Playground:		
Construction	8,673.92	
Labor	3,414.00	
Operating Supplies	1,462.92	
Play Supplies	163.55	
Salaries	3,524.08	
Stationery, Printing, etc.	2.25	
Sundry Expenses	25.00	
		17,265.72

Holly Park Playground:		
Construction	236.92	
Labor	138.50	
Operating Supplies	41.24	
Play Supplies	107.87	
Salaries	1,200.00	
		1,724.53
Jackson Playground:		
Construction	228.22	
Labor	767.00	
Operating Supplies	1,384.98	
Play Supplies	178.74	
Salaries	4,420.00	
		6,978.94
North Beach Playground:		
Construction	1,124.39	
Finishings	36.00	
Labor	726.75	
Operating Supplies	1,290.63	
Play Supplies	221.88	
Salaries	4,436.70	
		7,836.35
Presidio Heights Playground:		
Labor	102.00	
Operating Supplies	152.57	
Play Supplies	37.47	
Salaries	1,000.00	
		1,292.04
Southside Playground:		
Construction	265.16	
Labor	1,650.25	
Operating Supplies	1,417.21	
Play Supplies	256.60	
Salaries	4,553.35	
Stationery, Printing, etc.	39.50	
		8,182.07
Spring Valley Playground:		
Construction	472.75	
Labor	40.50	
Operating Supplies	74.16	
Play Supplies	.67	
Salaries	900.00	
		1,488.08
Mission Playground:		
Construction	10,864.84	
Furnishings	999.98	
Labor	643.00	
Operating Supplies	539.12	
Play Supplies	3.20	
Salaries	150.00	
Sundry Expenses	7.50	
		13,206.64

Yerba Buena Playground:		
Labor	107.50	
Operating Supplies	126.95	
Play Supplies	49.10	
Salaries	600.00	
		883.55
		$79,678.78

TABLE OF ATTENDANCE.

Playground	Boys	Girls	Total
Bay View	17,092	15,188	32,280
Excelsior	63,843	38,956	103,699
Hamilton	108,558	122,485	231,043
Holly Park	24,929	15,872	40,801
Jackson	43,957	26,383	70,340
North Beach	55,974	49,867	105,841
Presidio	14,947	12,897	27,844
Southside	76,188	49,734	125,922
Spring Valley	12,772	8,618	21,390
Yerba Buena	28,264	26,710	54,974
	446,524	367,610	814,934
Bath Houses			
North Beach (3 months)	5,692		3,140
Mission (2 months)	4,571		4,525

Poundkeeper's Report

To His Honor the Mayor of the City and County of San Francisco.

As per requirements of the Charter, we herewith submit our annual report for the fiscal year just ended.

DOGS.

Dogs on hand July 1, 1915		52
Impounded during the year		3983
Redeemed	421	
Released on licenses	131	
Sold	300	
Destroyed	3157	
On hand June 30, 1916	26	
	4035	4035

CATS.

Impounded and destroyed	6562

LARGE STOCK.

Impounded		230
Redeemed	195	
Sold	2	
Destroyed	33	
	230	230

SMALL STOCK.

Impounded		147
Redeemed	127	
Sold	13	
Destroyed	7	
	147	147

CASH STATEMENT.

Received for dogs redeemed and released on licenses	$ 1,176.60
Received for dogs sold	900.00
Received for large stock redeemed	617.00
Received for large stock sold	10.00
Received for small stock redeemed	198.00
Received for small stock sold	36.50
	$ 2,938.10

All the above cash was paid to the City Treasurer, as per receipts attached to monthly reports on file in the Board of Supervisors' and Auditor's offices.

SUMMARY.

City received from the Poundkeeper in fees	$ 2,938.10
City received from sale of 7622 dog licenses	11,433.00
City received from sale of 724 duplicate tags	362.00
Total received by the city	$14,733.10
Due and paid to the poundkeeper	11,518.05
Profit to the city from operation of pound	$ 3,215.05
Society's expense conducting pound for year	$11,737.56
Due and received by poundkeeper during year	11,518.05
Society's loss	$ 219.51

Respectfully submitted,

THE SAN FRANCISCO SOCIETY FOR THE PREVENTION OF CRUELTY TO ANIMALS, POUNDKEEPER,

MATTHEW McCURRIE, Secretary.

Board of Public Works

August 1, 1916.

To the Honorable, The Board of Public Works
of the City and County of San Francisco.

Gentlemen:—

Herewith is submitted the Annual Report of the Cashier's Office, for the fiscal year ending June 30th, 1916, showing the total amount of moneys received from fees, deposits, permits, assessments, etc. Also the disbursements through this office from assessment and deposit moneys during the same period.

Respectfully,

JAS. T. DONAHUE,
Cashier, Board of Public Works.

REPORT OF CASHIER

FOR THE FISCAL YEAR ENDING JUNE 30TH, 1916.

J. T. DONAHUE, Cashier.

Showing the total amount of money received from all sources, from July 1st, 1915, to and inclusive of June 30th, 1916.

RECEIPTS.

Permits Issued.		Amount.
1805	From Street Space Permits	$ 42,380.00
231	From Sidewalk Permits	4,660.00
43	From Sub-Sidewalk Permits	4,164.00
21	From House Moving Permits	2,100.00
6333	From House Building Permits (Fees)	28,029.50
181	From Bill Board Permits (Fees)	181.00
123	From Excavation Permits (Special Deposits)	1,445.70
54	Bills Excavation Permits—Paid by Corporations maintaining a General Deposit of $2500.00	8,337.00
July 9, 1915,	From Universal Electric & Gas Co., "General Deposit", Excavation Fund	2,500.00
Receipts Issued.		
1540	From Side Sewer Deposits (1804 Sewers)	64,655.1[illegible]
73	From Balances due on 73 Side Sewers underestimated	1,340.60
75	From Inspection charges only, on 75 Sewers at $2.00 each	150.0[illegible]

FROM APPROPRIATIONS BY BOARD OF SUPERVISORS.

Reimbursing "Tearing Up Streets Fund" for outlay on Side Sewer work, full amount of deposits being refunded to Depositors.

Feb. 19, 1916, Receipt No. 21881 (9 Sewers)	$ 480.60		
April 6, 1916, Receipt No. 22128 (1 Sewer)	38.40		
May 4, 1916, Receipt No. 22299 (1 Sewer)	22.25		
May 4, 1916, Receipt No. 22300 (1 Sewer)	26.35		
May 12, 1916, Receipt No. 22366 (4 Sewers)	353.75		
			$ 921.35
608 From Bureau of Engineering (Fees collected for Surveys)			20,623.25
294 From Bureau of Engineering (Fees collected for Inspection)			27,020.50
167 From Advertising Charges—Paid by Contractors			5,911.65
3211 From Municipal Water Works—Water rentals			6,056.89
372 From Installment Assessments and Interest on Bonds for Street Improvements			22,225.03
From Sale of Old Material—			
Aug. 23, 1915, Cobblestones sold to City Street Imp. Co.	71.40		
Jan. 6, 1916, Cobblestones sold to Raisch Improvement Co.	110.65		
			182.05
Aug. 24, 1915, From Western Pacific Railway Co., in part payment of Bill No. 59 (Aug. 10, 1914) for damage to structural steel in transit to the New City Hall			277.90
Aug. 31, 1915, From Alfred L. Meyerstein, Special Deposit to cover the estimated cost of installing a Sewer in El Portal Way from Kensington Way to the Twin Peaks Tunnel Reservation (produced) as per Resolution No. 40552 (2nd series) adopted Aug. 28, 1915			11,000.00
Nov. 22, 1915, From Chas. Nelson Company, Bill No. 204, Damage to 3rd Street Bridge			70.35
Nov. 22, 1915, From Southern Pacific Company, in part payment of Bill No. 58, damage to Structural Steel in transit to the New City Hall			316.06
Feb. 18, 1916, From Cala. Hawaiian Sugar Refining Co., Bill No. 282, materials furnished by Board of Public Works			42.85
Feb. 18, 1916, From Wells Fargo Nevada National Bank, Undisturbed balance remaining in Bank to the credit of the Board of Public Works			10.00
June 23, 1916, From State Highway Commission, Sacramento, Bill No. 315, for damage to a Steam Roller belonging to the Board of Public Works			16.00
From Motor Vehicle Dept. of the State of California, Refund on Canceled Registrations:			
Jan. 26, 1916	.08		
May 1, 1916	6.60		
			6.68

RECEIPTS FROM DISTRICT ASSESSMENTS.

For the opening, widening, extending, etc., of Streets.
(In Accordance with Art. VI, Chap. III of the Charter)

ASSESSMENT FUNDS.

Polk Street Re-grade Assessment Fund	$ 5.79	
Bixby Street Extension Fund	5.00	
Orizaba Ave. Extension Fund	7.00	
Ralston Street Extension Fund	3.50	
Ramsell Street Extension Fund	4.00	
Victoria Street Extension Fund	1.00	
Beverly Street Extension Fund	4.00	
		$ 30.29

REDEMPTION FUNDS.

Arch Street Redemption Fund	$ 70.59	
Bright Street Redemption Fund	88.70	
Bixby Street Redemption Fund	43.60	
Head Street Redemption Fund	66.50	
Monticello Street Redemption Fund	87.35	
Orizaba Avenue Redemption Fund	109.40	
Ramsell Street Redemption Fund	45.20	
Ralston Street Redemption Fund	94.39	
Victoria Street Redemption Fund	115.84	
Vernon Street Redemption Fund	160.23	
		$ 881.80
Total Receipts, Fiscal Year 1915-1916		$255,535.62

DEPOSITS

with City and County Treasurer (as per Receipts) during the Fiscal Year ending June 30th, 1916, to the credit of the following Funds:

Special Permit Fund		$ 51,214.00
Tearing up Streets Fund		67,067.12
House Moving Fund		2,100.00
Excavation Fund		12,282.70
Street Improvement Fund		22,225.03
General Fund (Fees, Bureau of Building Inspection)		28,210.50
General Fund—Sundry amounts as set forth in Statement of Receipts:		
Aug. 23, 1915, From sale of Old Cobbles	$ 71.40	
Jan. 6, 1916, From sale of Old Cobbles	110.65	
Nov. 22, 1916, From Chas. Nelson Co.	70.35	
Jan. 26, 1916, From State Motor Vehicle Dept.	.08	
May 1, 1916, From State Motor Vehicle Dept.	6.60	
June 23, 1916, From Cala. State Highway Com.	16.00	
		$ 275.08
Unapportioned Fee Fund		20,623.25
Special Inspection Fund		27,020.50
Advertising Fund		5,911.65
Water Works Fund		6,056.89
Aug. 31, 1915, El Portal Way Sewer Fund		11,000.00
Feb. 18, 1916, Auxiliary Water Supply Bond Acct.		42.35
Aug. 23, 1915, City Hall-Civic Center Imp. Fund Bond Issue of 1908		277.90

Nov. 22, 1915, City Hall Civic Center Imp. Fund Bond Issue of 1912		316.06
Polk Street Regrade Assessment Fund	$ 5.79	
Bixby Street Extension Fund	5.00	
Orizaba Ave. Extension Fund	7.00	
Ralston Street Extension Fund	3.50	
Ramsell Street Extension Fund	4.00	
Victoria Street Extension Fund	1.00	
Beverly Street Extension Fund	4.00	
Arch Street Redemption Fund	70.59	
Bright Street Redemption Fund	88.70	
Bixby Street Redemption Fund	43.60	
Head Street Redemption Fund	66.50	
Monticello Street Redemption Fund	87.35	
Orizaba Ave. Redemption Fund	109.40	
Ramsell Str. Redemption Fund	45.20	
Ralston Str. Redemption Fund	94.39	
Victoria St. Redemption Fund	115.84	
Vernon St. Redemption Fund	160.23	
		$ 912.09
Total Deposits, Fiscal Year 1915-1916		$255,535.62

SPECIAL PERMIT FUND.

Statement showing Receipts and Disbursements by Cashier, Board of Public Works, during the Fiscal Year ending June 30th, 1916. Account of the "Special Permit Fund".

Balance July 1st, 1915, Deposits outstanding $ 24,835.25

RECEIPTS.

Permits Issued.			
1805	From Street Space Permits	$42,380.00	
231	From Sidewalk Permits	4,660.00	
43	From Sub-Sidewalk Permits	4,164.00	
2079			$ 51,204.00
			$ 76,039.25
Feb. 18, 1916, From Wells-Fargo Nevada National Bank, Undisturbed balance remaining in Bank to the credit of the Board of Public Works			10.00
			$ 76,049.25

DISBURSEMENTS.

Demands Issued			
1692	Street Space Permits (Deposit refunded)	$37,990.00	
233	Sidewalk Permits (Deposits refunded)	4,720.00	
41	Sub-Sidewalk Permits (Deposits refunded)	3,811.00	
1966			$ 46,521.00
Balance, Deposits outstanding July 1st, 1916			$ 29,528.25

EXCAVATION FUND.

Statement of Receipts and Disbursements, Fiscal Year 1915-16, in conformity with the provisions of Ordinances No. 2201 and 2884 (New Series) regulating the making and refilling of excavations in the public streets. (Side Sewers and Sub-Sidewalk areas excepted.)

RECEIPTS.

Receipts Issued		
123	From "Special Deposits"	$ 1,445.70
54	From monthly settlements by Corporations maintaining a "General Deposit" of $2500.00	8,337.00
July 9, 1915,	From Universal Electric and Gas Co. (General Deposit)	2,500.00
178	Total Receipts, Fiscal Year 1915-16	$12,282.70

DISBURSEMENTS.

206	Special Deposits refunded (less fees deducted) said deposits having been retained for 2 years in accordance with Sec. 9 of Ord. No. 2201 (New Series)	$ 5,426.45
	Balance	$ 6,856.25

Note.—The actual condition of the Excavation Fund is not shown by the above statement, as cost of inspection and necessary incidentals, are charged against the sum total of fees received through monthly settlements by Corporations, and fees deducted from "Special Deposits".

STREET IMPROVEMENT FUND.

Statement showing Receipts and Disbursements, Fiscal Year 1915-16, received from Property Owners on Bonds for Street Improvements (Installment Assessments) in accordance with the provisions of Ordinances No. 2439 and 3009 (New Series) of the Board of Supervisors.

Balance undisbursed July 1, 1915 $ 562.72

RECEIPTS.

Certificates Received.		
372	From Installments and Interest on Bonds, as per Certificates No. 65 to 436 inclusive—Official Receipts No. 1 to 372 inclusive	$22,225.03
		$22,787.75

DISBURSEMENTS.

Treasury Orders Issued.		
364	Amounts refunded to Bond holders	$22,692.88
	Balance undisbursed July 1st, 1916	$ 94.87

HOUSE MOVING FUND.

Balance July 1st, 1915, Deposits outstanding		$ 100.00

RECEIPTS.

Permits Issued.		
21	From House Moving Permits, Fiscal Year 1915-16	$ 2,100.00
		$ 2,200.00

DISBURSEMENTS.

Demands Issued.		
20	Deposits Refunded, Fiscal Year 1915-16	$ 2,000.00
	Balance, Deposits outstanding July 1st, 1916	$ 200.00

TEARING UP STREETS FUND.

Statement showing Receipts and Disbursements by Cashier, Board of Public Works, during the Fiscal Year 1915-16.
(Account of the "Tearing up Streets Fund".)

July 1, 1915, Balance undisbursed			$ 4,054.98

RECEIPTS.

Receipts Issued.			
1540	From Side Sewer deposits (1804 Sewers)	$64,655.17	
73	From Balances due on 73 Side Sewers underestimated	1,340.60	
75	From Inspection charges (only) on 75 Side Sewers at $2.00 each	150.00	
5	From appropriations by Supervisors, Reimbursing "Tearing up Streets Fund" for outlay on 16 Side sewers (full deposits refunded to depositors)	921.35	
1693			67,067.12
	Total Receipts, 1915-16		$ 71,122.10

DISBURSEMENTS.

Demands Issued.			
1415	Unexpended balances of Side Sewer deposits	$24,150.30	
313	Wages of Side Sewermen	25,147.00	
12	Restoring Pavement over Side Sewer trenches	7,234.20	
24	Salaries of Inspector and Timekeeper Clerk	4,050.00	
15	Teaming	2,392.05	
12	Livery (Horse and Buggy hire)	480.00	
12	Blacksmithing	213.60	
9	Lumber	376.91	
24	Tools and miscellaneous supplies	208.43	
1836			$ 64,252.49
	Balance undisbursed July 1, 1916		$ 6,869.61

STATEMENT OF DISBURSEMENTS FROM THE "TEARING UP STREETS FUND" FOR THE FISCAL YEAR ENDING JUNE 30, 1916, BY CASHIER, BOARD OF PUBLIC WORKS.—J. T. DONAHUE, CASHIER.

1915	Wages of S. Sewermen	Unexpended Balances	Paving Trenches	Teaming	Inspection and Clerk	Livery	Lumber	Black-smithing	Miscel-laneous	Total
July	$ 2,097.00	$ 1,879.10	$ 628.55	$ 201.50	$ 325.00	$ 40.00	.....	.....	$ 23.40	$ 5,194.55
August	2,118.50	1,677.25	485.35	206.40	325.00	40.00	.....	$ 13.80	28.59	4,894.89
Sept.	2,038.00	2,121.70	499.60	195.00	325.00	40.00	$117.28	41.30	.....	5,377.88
Oct.	2,291.00	670.55	899.75	203.15	325.00	40.00	37.09	17.05	44.58	4,528.17
Nov.	2,048.50	2,229.70	351.50	195.00	325.00	40.00	.....	24.60	9.45	5,223.75
Dec.	2,328.00	2,718.30	805.20	208.00	325.00	40.00	37.09	21.95	8.56	6,492.10
1916										
Jan.	1,564.00	1,857.50	126.90	201.50	350.00	40.00	37.09	10.15	10.10	4,197.24
Feb.	1,750.00	795.75	567.60	188.50	350.00	40.00	111.27	14.60	48.18	3,865.90
March	2,110.50	2,273.75	890.65	201.50	350.00	40.00	.....	17.45	.....	5,883.85
April	2,268.00	2,214.35	478.50	195.00	350.00	40.00	37.09	15.20	17.82	5,615.96
May	2,301.00	3,423.80	941.80	201.50	350.00	40.00	.....	18.95	7.68	7,284.73
June	2,232.50	2,288.55	558.80	195.00	350.00	40.00	.....	18.55	10.07	5,693.47
	$25,147.00	$24,150.30	$7,234.20	$2,392.05	$4,050.00	$480.00	$376.91	$213.60	$208.43	$64,252.49

SIDE SEWER CONSTRUCTION.

During the Fiscal Year ending June 30, 1916, the Records of the Cashier's Office show the total number of Side Sewers constructed by employees of the Department of Public Works, as follows:

1915	No. of Sewers	No. of Trenches	Cost of Labor	Inspection, Clerk and Buggy Hire
July	178	162	$ 2,097.00	$ 365.00
August	115	112	2,118.50	365.00
September	137	121	2,038.00	365.00
October	189	175	2,291.00	365.00
November	145	126	2,048.50	365.00
December	129	122	2,328.00	365.00
1916				
January	109	103	1,564.00	390.00
February	89	87	1,750.00	390.00
March	155	148	2,110.50	390.00
April	205	191	2,268.00	390.00
May	218	203	2,301.00	390.00
June	161	153	2,232.50	390.00
Total	1,830	1,703	$25,147.00	$4,530.00

The total number of Side Sewers constructed during the six years preceding 1915-16 are as follows:

1914-15	1,618
1913-14	1,732
1912-13	2,333
1911-12	2,373
1910-11	2,103
1909-10	2,070

RESTORATION OF PAVEMENTS OVER SIDE SEWER TRENCHES.

During the Fiscal Year ending June 30th, 1916, a total aggregate of 54,841 square feet of street pavement was restored over Side Sewer trenches, as follows:

	Sq. Feet
Bitumen or Asphalt, on a concrete foundation	38,405
Basalt or Cobbles on a sand foundation	10,080
Basalt or Cobbles on sand foundation with asphalt filler	3,071
Bitumen or Asphalt on Concrete, with binder course	2,408
Basalt on Concrete, with Asphalt Filler	536
Vitrified Brick on Concrete, with Asphalt Filler	183
Concrete only (street work in progress)	117
Bitumen only (street work in progress)	41
Total	54,841

MEMORANDA.

The sum of $431.85 paid by property owners during the months of December, 1915, and January, 1916, for their proportionate share of extra grading, etc., on San Bruno Avenue, between Arleta Avenue and the County Line (see Resolution No. 41842, 2nd series, Board of Public Works) is held in abeyance pending the completion of said work.

Respectfully submitted,

JAS. T. DONAHUE,

Cashier, Board of Public Works.

BUREAU OF STREETS.

San Francisco, Calif., July 1, 1916.

To the Honorable The Board of Public Works
Of the City and County of San Francisco.
Gentlemen:

I have the honor to transmit herewith the annual report of the Bureau of Streets for the fiscal year commencing July 1, 1915, and terminating June 30, 1916, being the seventeenth annual report presented since the organization of the Board of Public Works.

The report of this Bureau is treated herein under the following classifications:

1. Assessments for Street Work.
2. Bonds for Street Assessments.
3. Street Work Proceedings.
4. Report of Street Inspectors.
5. Inspection of Corporation Trenches.
6. Side Sewer Construction.
7. Sidewalk Inspection.

ASSESSMENTS FOR STREET WORK.

180 Assessments were prepared and issued for the cost of street work performed under public contract. This is an increase of 19 assessments over those prepared during the previous fiscal year.

The total cost of the street work as shown in these assessments amounted to $641,005.77. This amount is $198,138.00 in excess of the total cost of the work performed during the previous fiscal year.

BONDS FOR STREET ASSESSMENTS.

The ordinance authorizing the payment of Street Assessments in installments has been in force during the entire fiscal year.

This ordinance empowers the Board of Public Works to grant property owners the privilege of paying street assessments in annual installments, not exceeding ten, as may be determined by said Board.

The property owner pays the first installment within thirty (30) days after demand, and executes a bond for the payment of the remaining installments.

196 Street Assessment Bonds were prepared in triplicate and executed during the fiscal year, guaranteeing the payment of $47,333.84.

STREET WORK PROCEEDINGS.

3269 Notices of Street Improvement were prepared and posted along the lines of the streets to be improved, as provided by 126 Resolutions of Intention passed by the Board of Public Works.

STREET INSPECTIONS.

533 Notices were served to construct bulkheads.
126 Notices were served to remove obstructions.
2466 Builders' Street Space Permits were reported upon.
51 Petitions were reported upon.
184 Notices were served to repair side sewers.

INSPECTION OF CORPORATION TRENCHES.

8090 Service Openings were made in the streets by the Public Service Corporations for furnishing light, water and telephone service.

133,214 Lineal Feet of Distribution Mains were laid.

The inspection fees for supervision of pavement restoration over street trenches amounted to $7,985.00.

The Pacific Gas & Electric Company made 3842 Service Openings and installed 66,746 Lineal Feet of Distribution Mains.

The Spring Valley Water Company made 3654 service openings and installed 17,567 lineal feet of distribution mains.

The City Electric Company made 163 service openings and installed 13,278 lineal feet of mains.

The Universal Electric & Gas Company made 176 service openings and installed 33,035 lineal feet of mains.

The Pacific Telephone & Telegraph Company made 132 service openings and installed 2,588 lineal feet of mains.

SIDE SEWER CONSTRUCTION.

1,828 Side Sewers were constructed during the fiscal year.

SIDEWALK INSPECTION.

622,410 square feet of Sidewalks were constructed pursuant to notices served by our inspectors.

Attached hereto please find the detailed reports on each of the foregoing subjects.

Respectfully submitted,

A. J. DONOVAN,
Office Deputy, Board of Public Works.

ASSESSMENTS FOR STREET WORK.

During the fiscal year there were one hundred and eighty (180) assessments prepared and issued for the cost of street work performed under public contract.

The total cost of this work as shown by these assessments amounted to $641,005.77.

These assessments were issued to the contractors, and a copy of each was recorded in the Street Assessment Records in the Bureau of Streets, together with the returns made thereon.

The following exhibit presents the location and character of the street work performed, the name of the contractor, and the cost of the work as shown by these assessments.

Work Performed	Cost of Work
Chenery Street between Miguel and Mateo Streets— Paving, etc.—Flinn & Treacy	$ 265.75
Park Street between Mission Street and its Westerly Termination— Paving, etc.—Flinn & Treacy	276.85
Cabrillo Street between 16th and 17th Avenues— Paving, etc.—Flinn & Treacy	1,011.50
Crossing of Balboa Street and 29th Avenue— Paving, etc.—J. H. Franks	1,536.59

Work Performed	Cost of Work
London Street between Persia and Russia Avenues— Paving, etc.—E. J. Treacy	882.75
Intersection of Ashbury and Downey Streets— Grading (Fill)—Flinn & Treacy	2,799.50
Hyde Street between Union and Russell Streets— Artificial Stone Sidewalks—A. O. Field	116.00
Union Street between Larkin and Moore Streets— Artificial Stone Sidewalks—A. O. Field	37.70
8th Street between Harrison and Heron Streets— Artificial Stone Sidewalks—A. O. Field	40.60
10th Avenue between Irving and Judah Streets— Artificial Stone Sidewalks—A. O. Field	39.87
Willard Street between Turk Street and Golden Gate Avenue— Paving, etc.—The Fay Improvement Co	3,486.58
Santa Marina Street between Mission and Elsie Streets— Paving, etc.—G. W. McGinn & Co	6,359.70
Woolsey Street between San Bruno Avenue and Somerset Street— Paving, etc.—Flinn & Treacy	18,500.93
Naples Street between Brazil and Persia Avenues— Paving, etc.—Flinn & Treacy	1,691.25
Howard Street between 7th and 8th Streets— Artificial Stone Sidewalks—A. O. Field	101.50
Silver Avenue between Boutwell and Scotia Streets— Sewers, etc.—S. F. Johnson	2,373.53
15th Avenue between Balboa and Fulton Streets— Paving, etc.—Federal Construction Co	12,490.52
Lessing Street between Liebig and Northerly Termination— Sewers, etc.—Robinson Nugent	344.00
Felton Street between San Bruno Avenue and Girard Street— Paving, etc.—J. F. Dowling & Co	4,542.57
Silliman Street between San Bruno Avenue and Girard Street— Paving, etc.—The Fay Improvement Co	4,520.36
18th Avenue between Cabrillo and Fulton Streets, and the crossing of 18th Avenue and Cabrillo Street— Paving, etc.—City Street Improvement Co	1,780.13
Lawton Street between 45th and 46th Avenues— Paving, etc.—Thos. A. Clark	740.21
Crossing of Lisbon Street and France Avenue and crossing of Italy Avenue— Paving, etc.—Thos. S. Hutton	2,870.40
Crossing of Lawton Street and 7th Avenue— Paving, etc.—Robinson Nugent	1,588.20
Lincoln Way between 40th and 43rd Avenues— Paving, etc.—State Improvement Co	2,014.74
Judah Street between 12th and 13th Avenues— Paving, etc.—J. G. Harney	895.00
Hudson Street between Lane and Mendell Streets— Sewers, etc.—R. Rolandi	8,801.90

Work Performed	Cost of Work
McKinnon Avenue between Mendell and Lane Streets— Sewers, etc.—James Monaghan	1,867.62
Russia Avenue between Moscow and Dublin Streets— Paving, etc.—Flinn & Treacy	14,863.30
Crossing of De Haro and 22nd Streets— Paving, etc.—F. R. Ritchie & Co.	1,113.26
18th Street between Hampshire Street and Potrero Avenue— Paving, etc.—City Street Improvement Co.	1,926.62
Greenwich Street between Divisadero and Scott Streets— Artificial Stone Sidewalks—C. B. Eaton	123.25
Charles Street between Chenery Street and S. P. R. R.— Paving, etc.—Flinn & Treacy	4,609.90
Duncan Street between Sanchez and Noe Streets— Paving, etc.—Flinn & Treacy	2,452.25
Intersection of Randall and Whitney Streets— Paving, etc.—Church & Clark	935.05
Bemis Street between Miguel and Mateo Streets— Sewers, etc.—State Improvement Co.	5,645.20
Crossing of 11th Avenue and Noriega Street— Paving, etc.—S. F. Johnson	2,585.88
12th Avenue between Lawton and Moraga Streets— Paving, etc.—Raisch Improvement Co.	8,700.37
Boyce Street between Geary Street and Northerly Termination— Paving, etc.—City Street Improvement Co.	139.50
Intersection of Charles and Chenery Streets— Paving, etc.—Flinn & Treacy	335.76
Virgil Alley between 25th and 26th Streets— Paving, etc.—James Monaghan	248.84
Crossing of Missouri and 20th Streets— Paving, etc.—The Fay Improvement Co.	1,284.87
Crossing of California Street and 27th Avenue— Paving, etc.—F. R. Ritchie & Co.	1,030.67
Lombard Street between Kearny Street and Grant Avenue— Paving, etc.—F. Rolandi	1,413.32
Crossing of Balboa Street and 20th Avenue— Paving, etc.—State Improvement Co.	1,616.97
College Avenue between Mission Street and St. Mary's Avenue— Paving, etc.—Flinn & Treacy	705.70
Clement Street between 9th and 10th Avenues— Artificial Stone Sidewalks—F. S. Buckman	39.87
9th Avenue between Clement and Geary Streets— Artificial Stone Sidewalks—F. S. Buckman	119.62
Geary Street between Parker Avenue and Boyce Street— Artificial Stone Sidewalks—F. S. Buckman	147.33
18th Street between Harrison and Alabama Streets— Artificial Stone Sidewalks—James Monaghan	51.11
York Street between 22nd and 23rd Streets— Artificial Stone Sidewalks—James Monaghan	152.25

Work Performed	Cost of Work
Missouri Street between 18th and Mariposa Streets— Paving, etc.—James M. Smith	6,173.50
Anza Street between 40th and 41st Avenues— Sewer, etc.—Felix McHugh & Son	552.15
21st Avenue between Judah and Kirkham Streets— Paving, etc.—F. S. Buckman	1,641.57
San Bruno Avenue between Army Street and Oakdale Avenue— Paving, etc.—Federal Construction Co.	867.12
North Point Street between Leavenworth Street and Columbus Avenue— Paving, etc.—G. W. McGinn & Co.	4,964.79
Crossing of 21st and Castro Streets— Paving, etc.—State Improvement Co.	1,497.52
28th Street between Diamond and Castro Streets— Sewer, etc.—Clarence B. Eaton	7,083.05
De Haro Street between 22nd and 23rd Streets— Paving, etc.—The Fay Improvement Co.	17,590.31
Drumm Street between Pacific and Jackson Streets— Sewer, etc.—D. L. Bienfield	1,353.12
23rd Avenue between California and Lake Streets— Artificial Stone Sidewalks—F. S. Buckman	160.31
17th Avenue between Taraval and Ulloa Streets— Paving, etc.—State Improvement Co.	2,051.50
19th Avenue between Quintara and Santiago Streets— Paving, etc.—Federal Construction Co.	44,143.46
13th Avenue between Judah and Kirkham Streets— Paving, etc.—Walter V. McDonald	1,601.25
Spruce Street between Jackson Street and Presidio Wall— Paving, etc.—D. L. Bienfield	2,289.99
18th Street between Connecticut and Missouri Streets— Artificial Stone Sidewalks—McCabe & Brown	195.50
Moultrie Street between Cortland and Crescent Avenues— Paving, etc.—Clarence B. Eaton	16,509.79
Noe Street between Day and 30th Streets— Paving, etc.—D. L. Bienfield	3,646.37
St. Mary's Avenue between Mission Street and College Avenue— Paving, etc.—Flinn & Treacy	938.47
Girard Street between Dwight and Olmstead Streets— Sewer, etc.—F. S. Buckman	1,150.79
Himmelman Place between Broadway and Pacific Street— Paving, etc.—Jos. J. McHugh	968.62
Crossing of 44th Avenue and Anza Street— Paving, etc.—Blanchard-Brown Co.	1,433.46
Elm Avenue between Pierce and Scott Streets— Paving, etc.—D. L. Bienfield	2,096 73
Mariposa Street between San Bruno Avenue and Vermont Street— Paving, etc.—F. R. Ritchie & Co.	3,216.25
Laidley Street between Castro and Roanoke Streets— Paving, etc.—F. R. Ritchie & Co.	1,646.74

Work Performed	Cost of Work
19th Avenue between Balboa and Cabrillo Streets—Paving, etc.—City Street Improvement Co.	800.75
Excelsior Avenue between Paris and Lisbon Streets—Paving, etc.—Thos. S. Hutton	1,840.43
19th Avenue between Noriega and Quintara Streets—Paving, etc.—F. R. Ritchie & Co.	23,892.83
Ocean Avenue between San Jose Avenue and Ocean Avenue—Paving, etc.—F. R. Ritchie & Co.	8,726.16
14th Street between Rosemont and Dolores Streets—Paving, etc.—Eaton & Smith	1,342.34
Olmstead Street between San Bruno Avenue and Girard Street—Grading (Filling)—Sunset Construction Co.	1,764.50
Lida Place between 15th and 16th Streets—Paving, etc.—D. L. Bienfield	2,495.60
Vermont Street between 17th and Mariposa Streets—Paving, etc.—Flinn & Treacy	7,358.00
Rivera Street between 20th and 21st Avenues—Paving, etc.—Owen I. McHugh	3,647.71
De Haro Street between 23rd and 24th Streets—Paving, etc.—F. R. Ritchie & Co.	10,929.40
Prentiss Street between Cortland and Crescent Avenues—Sewer, etc.—W. J. Tobin	4,659.15
Mill Street between Harkness and Ankenny Streets—Sewer, etc.—Robinson Nugent	955.16
45th Avenue from Balboa Street to Line 150 feet Northerly—Paving, etc.—Sunset Construction Co.	1,657.25
Faxon Avenue between Ocean Avenue and De Montford Street—Paving, etc.—F. R. Ritchie	3,150.12
Kirkham Street between 45th and 46th Avenues—Paving, etc.—F. J. King	3,288.51
Ecker Street between Mission and Jessie Streets—Paving, etc.—J. J. McHugh	1,054.95
Harkness Street between Cowden and Sparta Streets—Sewer, etc.—Robinson Nugent	2,023.87
Leland Avenue between Elliott and Sawyer Streets—Sewer, etc.—W. J. Tobin	1,322.76
Vermont Street between 20th and 21st Streets—Sewer, etc.—Tibbitts-Pacific Co.	12,300.65
21st Avenue between Balboa and Cabrillo Streets—Sewer, etc.—Federal Construction Co.	3,455.75
Wisconsin Street between 20th and 22nd Streets—Paving, etc.—Clarence B. Eaton and James M. Smith	13,654.35
Crossing of Balboa Street and 30th Avenue—Paving, etc.—J. H. Franks	1,965.84
44th Avenue between Judah and Kirkham Streets—Paving, etc.—J. F. Dowling	11,018.25
Goettingen Street between Burrows and Wayland Streets—Sewer, etc.—Robinson Nugent	2,202.75

Work Performed	Cost of Work
Arleta Avenue between Rutland Street and San Bruno Avenue— Sewer, etc.—D. L. Bienfield	2,682.44
Balboa Street between 18th and 19th Avenues— Paving, etc.—The Fay Improvement Co.	3,044.95
Crossing of France Avenue and Paris Street— Paving, etc.—Flinn & Treacy	1,530.29
Cuvier Street between Bosworth Street and S. P. R. R. R/W— Paving, etc.—Clarence B. Eaton	624.00
Madrid Street between France and Amazon Avenues— Sewer, etc.—Blanchard-Brown Co.	6,908.93
Lippard Street between Bosworth Street and Sly. Term.— Paving, etc.—S. F. Johnson	4,035.00
Acadia Street between Sunnyside and Joost Avenues— Sewer, etc.—J. H. Franks	437.50
Fremont Street between Howard and Folsom Streets— Artificial Stone Sidewalks—E. M. Gilleran	1,581.72
Polk Street between Francisco and Bay Streets— Paving, etc.—J. F. Conway	609.34
Adelaide Place between Taylor Street and Wly. Term.— Paving, etc.—Church & Clark	576.90
Liebig Street between San Jose Avenue and Lessing Street— Paving, etc.—F. R. Ritchie & Co.	1,482.30
Mateo Street between Bemis and Laidley Streets— Paving, etc.—James M. Smith	3,464.86
Ocean Avenue between Capitol and Faxon Avenues— Paving, etc.—S. F. Johnson	1,109.57
Crossing of Irving Street and 38th Avenue— Paving, etc.—Jos. J. McHugh	1,565.77
McAllister Street between Arguello Blvd. and Willard Street— Paving, etc.—Flinn & Treacy	948.75
Crossing of Irving Street and 37th Avenue— Paving, etc.—Jos. J. McHugh	1,579.23
Fulton Street between 38th and 45th Avenues— Paving, etc.—Blanchard-Brown Co.	10,776.60
Lincoln Way between 46th and 47th Avenues— Artificial Stone Sidewalks—Blanchard-Brown Co.	59.40
Lincoln Way between 47th and 48th Avenues— Artificial Stone Sidewalks—Blanchard-Brown Co.	23.40
Intersection of San Jose Avenue and Cotter Street— Paving, etc.—State Improvement Co.	1,352.75
Elsie Street between Esmeralda and Virginia Avenues— Sewer, etc.—Clarence B. Eaton and James M. Smith	2,583.67
Wilde Avenue between Rutland and Cowden Streets— Sewer, etc.—Thos. Walsh	1,113.25
48th Avenue between Lincoln Way and Irving Street— Artificial Stone Sidewalks—Blanchard-Brown Co.	746.74
48th Avenue between Irving and Judah Streets— Artificial Stone Sidewalks—Blanchard-Brown Co.	661.08

Work Performed	Cost of Work
Wilde Avenue between San Bruno Avenue and Goettingen Street— Sewer, etc.—Michael Murphy	2,896.14
Harkness Street between San Bruno Avenue and Goettingen Street— Sewer, etc.—Michael Murphy	3,254.41
Arleta Avenue between Elliott and Rutland Streets— Sewer, etc.—Thos. Walsh	1,901.10
47th Avenue between Irving and Judah Streets— Artificial Stone Sidewalks—Blanchard-Brown Co.	737.38
Railroad Avenue between Revere and Yosemite Avenues— Paving, etc.—Flinn & Treacy	24,729.24
Chenery Street between Natick and Roanoke Streets— Paving, etc.—Flinn & Treacy	146.25
16th Street between Beaver and Castro Streets, and crossing of Beaver Street— Paving, etc.—Flinn & Treacy	1,916.42
Crossing of Judah Street and 28th Avenue— Pave and Sewers—A. E. Buckman	631.57
Irving Street between 47th and 48th Avenues— Sewers, etc.—E. E. Carnahan	2,150.82
Harkness Street between Cowden and Sparta Streets— Sewers, etc.—Robinson Nugent	2,023.87
Intersection of Clement Street and 38th Avenue— Paving, etc.—D. L. Bienfield	1,406.18
Intersection of Chenery, Whitney and Miguel Streets— Paving, etc.—Flinn & Treacy	1,139.66
Silver Avenue between Lisbon and Vienna Streets— Paving, etc.—Flinn & Treacy	8,925.68
Anza Street between 23rd and 24th Avenues— Paving, etc.—Jos. J. McHugh	1,378.32
Crossing of 19th Avenue and Santiago Street— Sewer, etc.—Thos. S. Hutton	1,737.64
45th Avenue between Irving and Judah Streets— Artificial Stone Sidewalks—A. O. Field	498.12
Moraga Street between 8th and 9th Avenues— Paving, etc.—City Street Improvement Co.	994.50
Richland Avenue between Andover and Murray Streets— Paving, etc.—D. L. Bienfield	855.50
Crossing of Irving Street and 26th, 27th, 28th, 29th, 30th, 31st, 32nd and 33rd Avenues— Sewer, etc.—Jos. J. McHugh	10,890.83
19th Avenue between California and Lake Streets— Asphalt pave—Flinn & Treacy	263.25
Fulton Street between 28th and 37th Avenues— Paving, etc.—Owen McHugh	11,844.51
Wood Street between Geary Street and Nly. Term.— Paving, etc.—Flinn & Treacy	502.45
Kirkham Street between 19th and 20th Avenues— Sewer, etc.—Peter McHugh	635.00

Work Performed	Cost of Work
Bosworth Street between Mission and Milton Streets—Artificial Stone Sidewalks—S. F. Johnson	491.59
Taraval Street between 15th and 18th Avenues—Paving, etc.—A. C. Ambler	1,867.72
Excelsior Avenue between Athens and Vienna Streets—Paving, etc.—F. R. Ritchie	3,481.32
47th Avenue between Lincoln Way and Irving Street—Sewer, etc.—Robinson Nugent	2,007.00
Hampshire Street between 19th and 20th Streets—Artificial Stone Sidewalks—Church & Clark	2,703.58
Cumberland Street between Sanchez and Church Streets—Artificial Stone Sidewalks—McCabe and Brown	806.40
18th Avenue between Balboa and Cabrillo Streets—Paving, etc.—City Street Improvement Co	245.00
Jones Street between Chestnut and Francisco Streets—Paving, etc.—G. W. McGinn & Co	1,088.12
Plymouth Avenue between Ocean and Holloway Avenues—Paving, etc.—Owen McHugh	1,527.26
Diamond Street between Bosworth Street and S. P. R. R.—Paving, etc.—D. O. Church Co	374.45
Intersections of Army Street and Precita Avenue, Army and York Streets and Precita Avenue and York Street—Paving, etc.—D. L. Bienfield	1,684.16
Anza Street between 24th and 25th Avenues—Paving, etc.—Thos. A. Clark	439.25
Lee Avenue between Ocean and Holloway Avenues—Paving, etc.—Owen McHugh	912.75
Andover Street between Cortland Avenue and Park Street—Paving, etc.—Jas. M. Smith	3,105.58
Lincoln Way between 20th and 22nd Avenues, and 21st Avenue between Lincoln Way and Irving Street—Artificial Stone Sidewalks—C. C. Christensen	111.15
20th Avenue between Judah and Lawton Streets—Paving, etc.—S. F. Johnson	10,099.33
Balboa Street between 17th and 18th Avenues—Paving, etc.—State Improvement Co	5,013.04
45th Avenue between Kirkham and Lawton Streets—Paving, etc.—Thos. A. Clark	1,624.75
Ashton Avenue between Ocean and Holloway Avenues, and De Montford Street between Ashton and Jules Avenues—Paving, etc.—A. V. Reed, Assigned to F. R. Ritchie & Co	2,367.80
Kansas Street between 19th and 20th Streets—Sewer and Grading—Sunset Construction Co., Assigned to J. J. Rauer	10,406.05
York Street between 24th and 25th Streets—Artificial Stone Sidewalks—A. O. Field	46.69
Crossing of 45th Avenue and Geary Street—Paving, etc.—Felix McHugh & Son	1,501.43
Folsom Street between Cortland and Tompkins Avenues—Paving, etc.—S. F. Johnson	1,152.82

Work Performed	Cost of Work
Homestead Street between 24th and 25th Streets—Paving, etc.—J. F. Dowling	203.50
Crossing of 22nd and Vermont Streets—Paving, etc.—The Fay Improvement Co.	1,349.88
7th Street between Howard and Folsom Streets—Artificial Stone Sidewalks—Phillip O'Donnell	103.53
20th Street between Iowa and Mississippi Streets, and crossing of Pennsylvania Avenue—Grading—Tibbitts-Pacific Co.	10,310.35
Geary Street between 38th and 39th Avenues—Grade, Sewer and Pave.—Owen McHugh	3,707.19
Paris Street between Excelsior and Brazil Avenues—Paving, etc.—Flinn & Treacy	667.00
22nd Street between Hampshire Street and Potrero Avenue—Artificial Stone Sidewalks—Thos. Walsh	57.37
20th Street between Wisconsin and Carolina Streets, 20th Street between De Haro and Rhode Island Streets, and Carolina and Rhode Island Streets between 20th and 22nd Streets—Sewer and Grading—Federal Construction Co.	39,586.80
Fairfax Avenue between Lane and Mendell Streets—Paving, etc.—Flinn & Treacy	395.00
Iowa Street between 20th and 22nd Streets—Paving and Curbing—The Fay Improvement Co.	8,793.26
24th Avenue between Balboa and Cabrillo Streets—Paving, etc.—Owen McHugh	10,320.79
Total Cost	$641,005.77

BONDS FOR STREET ASSESSMENTS ISSUED DURING THE FISCAL YEAR 1915-1916.

No.	Property Owner	Amount
47	George H. Schulte	$ 197.19
48	Louise Treadwell	164.32
49	Hans Larsen	164.32
50	Hans Larsen	164.32
51	Domenico Re and Louise Re	164.32
52	J. T. and Catherine Hazer	242.32
53	Anna Lehikoinen	657.28
54	Alfred and Caroline Hedburg	203.76
55	J. B. Mayman	164.32
56	Oscar H. Cronin & Lottie M. Cronin	164.32
57	Joseph Landers and Elfrida Landers	184.04
58	Ernesto Bertolli	164.32
59	Michael Fauth	135.71
60	Louis L. Zocchi & Louise M. Zocchi	281.37
61	Stephen Schivo	138.83
62	Stephen Schivo	138.83
63	William G. Zocchi	138.83
64	Mary J. Striegel	411.824
65	Charles W. Vaughn and Martha C. Vaughn	153.717

No.	Property Owner	Amount
66	John A. Shepard	268.24
67	Harry and Martha Murphy	205.85
68	Harry and Martha Murphy	320.65
69	Frederick Zitt	251.775
70	Oscar E. Malech	253.185
71	William H. and Alma Cole	698.43
72	Sarah Weinstein	314.22
73	Sarah Weinstein	177.83
74	Sarah Weinstein	110.16
75	Bino Livingston and Jerome Weinstein	292.79
76	Sarah Weinstein	183.30
77	Sarah Weinstein	322.12
78	Stanley Callow	316.14
79	Gabriel Lewin	183.30
80	Gabriel Lewin	183.30
81	H. W and Elizabeth Hailer	316.14
82	Harry E. Reyburn	41.67
83	Anton Outinen	253.00
84	John Lange	778.89
85	Sarah Weinstein	155.93
86	Moneta Investment Co.	757.64
87	Georgia McCluskey	748.48
88	C. F. Baldock	114.653
89	Mary Ann Bundy	885.36
90	Ambrose Calderwood	136.343
91	Samuel Shelburn Robison	136.343
92	George H. Anderson	306.75
93	Stephen B. and Annie Nolan	221.34
94	Stephen B and Annie Nolan	221.34
95	Stephen B. Nolan	221.34
96	William and Mary Stewart	442.68
97	Henry Koster	221.34
98	Ida Gingg, Bertha Heim and Alfred Hahn	885.36
99	Josephine Schabert	221.34
100	Margarita Torres	221.34
101	Charles R. Anderson	169.94
102	Estate of M. Salomon, Deceased	113.10
103	Estate of M. Salomon, Deceased	113.10
104	Estate of M. Salomon, Deceased	166.88
105	Estate of M. Salomon, Deceased	326.16
106	Estate of M. Salomon, Deceased	329.55
107	Estate of M. Salomon, Deceased	166.88
108	Estate of M. Salomon, Deceased	166.88
109	Estate of M. Salomon, Deceased	166.88
110	Henry Sutliff, Jr., Amelia Graesslin, Jennie C. Cochran	1,133.186
111	Henry Sutliff, Jr., Amelia Graesslin, Jennie C. Cochran	40.24
112	Viola D. Nichols	169.94
113	Thomas Butler	1273.107
114	Patrick H. and Anna L. Winterson	203.30
115	W. H. and Carrie M. Watkins	323.28
116	Adele Kafka	173.05

No.	Property Owner	Amount
117	Raymond C. Peppin	239.43
118	Effie A. Drury	253.90
119	Alex. and Maria Hozen	253.90
120	George and Isabella Dawson	380.86
121	John F. and Mary E. Shirley	158.01
122	M. Cosgrove	232.40
123	Jaakob A. Iso	1015.61
124	California Land Security Co.	154.93
125	California Land Security Co.	154.93
126	A. J. and J. A. Simircish	154.93
127	Nick Bakly	253.90
128	Samuel and Anna L. Hatfield	253.90
129	Henrietta Stubenrauch	168.38
130	W. F. Cody	170.48
131	Charlotte L. O'Neill	136.82
132	Axel and I. Bjorquist	253.90
133	Otto and Irene Wiklund	253.90
134	Edward and Helen Stanfors	253.90
135	Sampson Nichupey	253.90
136	Nettie V. Bishop	168.38
137	John D. and Alice Smith	141.70
138	John F. Gilhooly	547.25
139	Frederick N. and Sarah E. Sheldon	336.76
140	George R. Quirk	175.27
141	Mary E. Seaton	168.38
142	Mary E. Seaton	168.38
143	Edwin P. Finigan	170.48
144	Blanche B. Gray	168.38
145	John J. O'Connor (B. Getz)	172.19
146	Tolman Chittenden	253.72
147	Zarah F. Dibble	168.38
148	Jennie H. Lalanne	345.02
149	Julia E. Kelly	345.02
150	Lillian Eastwood Morris	600.92
151	Henry J. Hughes	147.05
152	George W. Cuthbertson	168.38
153	California Agricultural Co.	294.09
154	L. P. Howe	170.48
155	L. P. Howe	511.44
156	L. P. Howe	18.75
157	Elizabeth Greenlin	174.00
158	Ruth Rayford	168.38
159	Richard J. and Josephine M. Murphy	370.83
160	Louis and Flora Graves	141.70
161	Anna A. Cradock	168.38
162	Grover Grady	141.70
163	Mary E. L. Maguire	253.90
164	Mary E. Manning-Reed	168.38
165	Charles Thompson	144.06
166	Charles Thompson	144.06
167	Charles Thompson	201.41
168	Charles Thompson	201.44
169	Charles Thompson	144.09
170	Charles Thompson	144.09

No.	Property Owner	Amount
171	Charles Thompson	144.09
172	Bengt Pehrsson	201.44
173	Thomas S. Webb	178.21
174	Thomas S. Webb	178.21
175	Elizabeth P. Wood	804.06
176	Martha Bulovino	253.90
177	Henry and Helene Munster	297.70
178	Newton F. Robinson	242.81
179	George Hutchinson	253.90
180	James Fitzpatrick	295.73
181	Edward L. and M. F. Burgess	253.90
182	George P. Kane	149.06
183	Maria Murphy	1,366.17
184	Estelle Carpenter	148.86
185	Henry F. and Florence M. Kranskopf	295.26
186	Arthur Lang	295.26
187	S. Ewell	297.70
188	Clifford S. Allred	21.83
189	Clifford S. Allred	15.16
190	Clifford S. Allred	15.16
191	Clifford S. Allred	15.16
192	Clifford S. Allred	15.16
193	Clifford S. Allred	15.16
194	Clifford S. Allred	15.16
195	Clifford S. Allred	15.16
196	Clifford S. Allred	75.81
197	Albert and Romana Cuevas	177.17
198	Louis G. Bresse	1,282.93
199	Alfred P. Collins	149.06
200	William J. Ramsay	149.06
201	William J. Ramsay	398.77
202	George Walker	384.67
203	Clara S. Thompson	121.41
204	Clara S. Thompson	121.41
205	Clara S. Thompson	121.41
206	Clara S. Thompson	121.41
207	Catherine McDonald	197.87
208	Kenneth McKenzie	395.76
209	Patrick Quinn	177.17
210	Phillip Testa	197.87
211	Gaetano Moretton	106.21
212	F. J. Brattan and J. T. O'Connor	222.91
213	Lillie Grumpman	112.55
214	E. J. F. Phillips	200.11
215	Charles H. and Edith Harger	91.80
216	Charles H. and Edith Harger	106.21
217	Charles H. and Edith Harger	106.21
218	Charles H. and Edith Harger	106.21
219	Charles H. and Edith Harger	106.21
220	Paul and Henrietta Dobkowitz	126.09
221	Betty Eklund	216.55
222	G. B. Lertora	212.40
223	Mary F. and Norma McAbée	216.55
224	Honorah N. Kelly	51.66

No.	Property Owner	Amount
225	Jos., Arthur and Elizabeth Jackson	66.10
226	Bert A. Swain	66.10
227	Kathinka J. Anderson	66.10
228	Kate McDermott	51.66
229	Harry W. and Alice G. Fawke	169.64
230	Henry F. and Marie L. Schunemann	3.65
231	Henry F. and Marie L. Schunemann	29.21
232	Henry F. and Marie L. Schunemann	29.21
233	Henry F. and Marie L. Schunemann	29.21
234	Henry F. and Marie L. Schunemann	160.54
235	Marguerite F. Green	215.58
236	Marguerite F. Green	83.13
237	August H. and Florence Siemer	169.64
238	Nikolaos Dentas and Nikolaos Arbanitis	165.16
239	Dimitrios J. Balasis	144.83
240	Catherine Fanning	144.83
241	Catherine Fanning	144.83
242	Maud Nolder McFall	671.00
	Grand Total	$47,333.84

REGISTER OF STREET WORK PROCEEDINGS.

In the Bureau of Streets is kept a complete and correct record of all proceedings referring to the improvement of streets and the construction of sewers. These records are consulted every day by representatives of the Title Insurance Companies, searchers of records, attorneys and property owners. They are fully recorded and indexed and their preparation necessitates the investigation and recordation of all resolutions of the Board of Public Works, Ordinances of the Board of Supervisors and publications in the official newspaper pertaining to street work, of which there were the following during the fiscal year:

Resolutions of Board of Public Works	7317
Certificates of Satisfactory Completion	678
Private Contracts	442
Proposals for Street Work	268
Awards of Contract	230
Ordinances of Supervisors	161
Resolutions of Intention	126

RESOLUTIONS OF INTENTION AND NOTICES OF STREET WORK.

According to the alternative system provided in Ordinance No. 2439, which became operative in October, 1913, the Bureau of Streets prepared 126 Resolutions of Intention recommending the ordering of separate pieces of street work during the fiscal year. They also prepared and posted along the line of the contemplated improvements 3269 notices of the passage of the Resolutions of Intention.

STREET CLEANING DEPARTMENT.

San Francisco, August 22, 1916.

To the Honorable The Board of Public Works,
Mr. F. J. Churchill, Secretary,
City Hall, San Francisco, Cal.

Gentlemen:

In accordance with Resolution No. 46,457, Second Series, heretofore passed by your Honorable Board, I submit, for your approval, this report of the operations of the Street Cleaning Department, Board of Public Works, for the Fiscal Year 1915-1916, including detailed statements of the yardage of the public streets swept by hand, by machine, sprinkled, flushed, washed with flushers, hose and squeegees, and auto-flusher, the amount of such work accomplished in each month of said Fiscal Year, and in each of the sixteen street cleaning districts, the number of teams in the employ of the Department, the number of loads of dirt removed from the public streets, the average number of street sweepers in the employ of the Department during each of the months of said Fiscal Year, a full statement of the expense account of the Department, together with certain other data relative to the work of this Department, as follows, to wit:

FAMILIES SUPPLIED WITH WATER FOR HOUSEHOLD PURPOSES BY THIS DEPARTMENT.

Owing to the non-extension of water mains in certain parts of District No. 14 (Sunset), certain families there residing found themselves unable to procure water for household purposes, and this Department, acting upon a request from the Mayor's office, has supplied water to twenty families in said district during the first six months of the Fiscal Year 1915-1916, but during the latter half of said Fiscal Year, owing to the extension of water pipes by the Spring Valley Water Company and connections made by them with the houses of nearly all of the above families, the number of families now supplied has decreased to two, and when further pipes are laid the supplying of these remaining two families will be discontinued by this Department.

NEW EQUIPMENT.

The new equipment mentioned in the foregoing expense account consists of one Kinney Manufacturing Co. Auto-Flushing Machine, one new automobile for use of the Superintendent, one Sand Spraying Machine, and one Elgin Motor Sweeping Machine. This equipment was paid for out of a fund amounting to the sum of $12,026.27, of which sum $6,026.27 was brought over from the Fiscal Year 1914-1915, and the remaining sum of $6,000.00 was specially provided for in the budget for the year 1915-1916, for the express purchase of new equipment.

In the new budget for the coming Fiscal Year 1916-1917 there has not been one dollar provided with which to purchase any new equipment, but it is to be hoped that, for the greater benefit to be derived therefrom and the increased efficiency gained, the Supervisor will in the next year's budget provide a liberal sum for the purchase of additional new equipment.

By the addition of the new equipment mentioned heretofore and other improvements made in the operating of the Department, the efficiency has been greatly increased and the number of complaints has been reduced to a minimum.

After paying for the above named new equipment, the sum of $301.27 still remains in hand available for the same purpose.

A Sand Spreading Machine was purchased by this Department for the sum of $475.00.

This machine has proved very useful and satisfactory to the Street Cleaning Department and is used for spreading coarse, clean sand on the smooth pavements in wet and very foggy weather, and also on the oily streets, and in this manner prevents the skidding of automobiles and the slipping and falling of horses, and thus avoid many accidents which might occur unless such precautions were taken.

The Auto Flushing Machine purchased by this Department from the Kinney Manufacturing Co. for the sum of $6,000.00 has now been in operation in this Department since November, 1915, and has done very satisfactory work and increased the efficiency of this part of the street cleaning to a very great extent. This machine is sent out each day in the week to a different part of the city and covers from fifteen to twenty miles of streets per day, and, where sent out in connection with the gangs, increases the amount of work done and also increases the efficiency of the gang work to a very noticeable extent.

The Department also purchased one Elgin Motor Sweeping Machine costing the sum of $4,500.00.

This machine is of the rotary broom type and sweeps the pavement and elevates the sweepings into a hooded compartment with a capacity of three cubic yards of dirt and when full is dumped by a lever controlled by the chauffeur. The machine also has a water tank from which a spray of water sprinkles the pavement and prevents the dust from rising.

This machine is capable of sweeping about twenty miles of streets each day of eight hours work, and will enable the Department to give better and more frequent service in the different parts of the city.

There are now approximately 460 miles of accepted streets which must be cared for by this Department, and additions are continually being made by the acceptance of additional blocks and streets. Some of these streets require to be kept constantly clean by blockmen stationed thereon, others are cleaned once daily, others twice a week and other less important streets are cleaned once a week, according to the office schedule.

The work of the Department has considerably increased during the past Fiscal Year, owing to increased mileage of accepted streets, which increase this year amounted to over 5,200,000 square feet.

The many improvement clubs and district associations in the various quarters of the City are each demanding extensions of the work of this Department in its particular district, and more frequent cleaning and sprinkling of the streets, and the public, educated to a large extent by such clubs, has become more exacting than ever in its demands along these lines; and this Department has, whenever and wherever possible, complied with these demands to the very limit of its equipment and resources.

Respectfully submitted,

PETER J. OWEN,
Superintendent, Street Cleaning Dept., Board of Public Works.

BUILDINGS.

San Francisco, August 30, 1916.

To the Honorable The Board of Public Works,
City and County of San Francisco.

Gentlemen:—In accordance with the provisions of the Charter, I submit herewith a tabulated report of the Bureau of Public Buildings, showing the various work performed and the moneys expended during the fiscal year 1915-1916.

Very respectfully,

CHAS. W. MEEHAN,
Superintendent Public Buildings.

RECAPITULATION, BUREAU OF PUBLIC BUILDINGS, FISCAL YEAR 1915-1916.

Office	$ 5,400.00
Transportation Maintenance	1,440.00
Janitorial Department	57,781.73
Maintenance City Hall and Power House	18,541.52
Maintenance Hall of Justice	23,128.83
Relief Watchmen	2,067.00
Miscellaneous and Bond Issue Work	319.96
Maintenance Auditorium, Budget 423	4,998.69
Work in Front of City Property	1,980.50
Work Performed with Special Appropriations	36,332.61
Work Performed with Departments Own Funds	15,508.93
School Building Repairs	120,178.95
Fire Building Repairs	17,121.54
Police Building Repairs	5,489.42
Public Building Repairs (other than School, Fire and Police Buildings)	12,762.99
Total	$323,052.67

Office—		
Superintendent, $250.00 per month	$	3,000.00
Assistant Superintendent, $200.00 per month		2,400.00
	$	5,400.00
Transportation and Maintenance—		
Auto for Superintendent	$	480.00
Auto for Assistant Superintendent		480.00
Buggy for Foreman Plumber		480.00
	$	1,440.00
Janitorial Department—		
Garbage Service	$	304.00
Towel Service		2,243.95
Supplies		3,733.88
Electric Globes		948.40
Janitors' Salaries for service at City Hall, Hall of Justice, and Police Stations. (This includes the two (2) watchmen stationed in City Hall)		50,551.50
Total	$	57,781.73

Maintenance, City Hall and Power Plant—	
Engineers' Salaries	$ 5,095.15
Firemen at Power House	2,820.60
Relief Engineers	1,237.89
Supplies	221.74
Repairs to Elevators, Engine Plant	136.10
Mechanics' Labor on Repairs	190.65
Fuel Oil	2,239.39
Elevator Operators	6,600.00
Total	$ 18,541.52
Maintenance, Hall of Justice—	
Engineers' Salaries	$ 6,600.00
Relief Engineers	1,237.89
Supplies	630.74
Repairs to Elevators and Engines	222.72
Mechanics' Labor on Repairs	439.25
Fuel Oil	3,288.23
Elevator Operators	10,710.00
Total	$ 23,128.83
Relief Watchmen—	
Employed watching City Hall, Pipe Yard, and Buildings at 11th and Bryant Sts.	$ 2,067.00
Total	$ 2,067.00

BUILDING INSPECTION.

To the Honorable the Board of Public Works.

Gentlemen.—I have the honor to submit the following as an Annual Report upon building operations in this City and County during the past fiscal year ending June 30th, 1916:

Character of Permits Granted	Number	Expenditures
Class "A"	18	$ 1,279,663.00
Class "B"	9	761,475.00
Class "C"	178	3,376,620.00
Frames	1947	7,041,151.00
Alterations, Additions, Repairs (General)	4371	1,811,467.00
State	3	848,181.00
Harbor	10	748,082.00
Public	22	2,138,101.00
Total	6558	$18,004,740.00

The fees collected upon the above amounted to	$28,029.50
Fees collected for Billboard Inspection	181.00
Total Fees	$28,210.50

In addition to the above more important matters, this Bureau received applications, as follows:

To raze structures	201
To move buildings	42
Applications rejected and withdrawn	108
Complaints	418
Total number of applications filed	7036

For your further information I wish to state the writer, in company with Supervisors Ralph McLeran and Chas. A. Nelson, representing the City and County of San Francisco, attended the first meeting of the "Housing Institute" of the Commission of Immigration and Housing of California, held in the City of Los Angeles May 4th and May 5th, 1916.

At this meeting many features of the housing problem were discussed, with the result that it was decided that the Secretary of the Commission prepare a rough tentative draft of a tenement house bill for discussion at the next meeting to be held early in July, 1916, in the City of San Francisco.

Pursuant to the previous meeting the Institute reconvened in the chambers of the Civil Service Commission in the New City Hall on Wednesday, the 19th day of July, 1916, and after a thorough discussion of all phases of the tentative draft the Institute adjourned on Saturday, July 22nd, to meet early in October in the City of Visalia (the exact time to be determined by the Commission) to further perfect the Act in order to present the views of the representatives of the various cities of the State to the next Legislature for enactment into the law.

Respectfully submitted,

JOHN P. HORGAN,
Chief Building Inspector.

SEWER DEPARTMENT REPORT.

San Francisco, Cal., July 10, 1916.

The Honorable Board of Public Works,
Timothy A. Reardon, President.

Gentlemen:

I have the honor of presenting for your approval, the report of the operations and management of the Sewer Department for the fiscal year beginning July 1, 1915, and ending June 30, 1916, within the appropriation of $136,800.00.

The general classification of the work accomplished in the report submitted, is as follows:

Sewer Reconstruction.
Sewer Repairs.
Sewer Cleaning and Excavating.
Cesspool Cleaning.
Brick Work.
Flushing.
Carpenter Work.
Repairs to Fire Cisterns.
Maintenance and Conduction of Corporation Yard and Distributing Center.

Respectfully submitted,

J. C. LINEHAN,
Superintendent of Sewers.

SEWER CLEANING.

The sediment and heavy substance accumulating in the bottom of the sewers, impervious to flushing, is removed by a process of windlassing at the manholes and transported to the dumps, as here shown:

	Yards Excavated
1915—	
July	964
August	1324
September	1146
October	1027
November	472
December	200
1916—	
January	308
February	240
March	348
April	697
May	321
June	724
Total	7771

CESSPOOL CLEANING.

This work is performed by excavation and the silt and waste matter from the street unable to pass into the sewer is removed and transported to the dumps. Following is a tabulated report of same:

1915—	Number of Cesspools Cleaned	Cubic Yards Excavated
July	1,144	1,040
August	1,176	928
September	980	803
October	1,091	850
November	778	553
December	1,052	972
1916—		
January	841	786
February	1,060	920
March	1,397	1,035
April	1,249	969
May	1,028	931
June	1,285	1,044
Total	13,081	10,831

SEWER RECONSTRUCTION.

Beginning July 1, 1915, and ending June 30, 1916, there were 104 cesspools, with outlets, and 24 entire blocks of new work on the main sewers, reconstructed, requiring the opening of trenches, grading and laying of pipes, constructing of brick manholes, connecting of all existing side sewers, back-filling, repaving and concreting as previously constructed.

Following are the locations of reconstructed work, with the accompanying dates and material used in their construction:

1915—

July

Blake Street between Geary and Rose Ave.
12th Ave. between California and Clement.
Bush Street between Fillmore and Buchanan.

August

Haight Street, between Octavia and Laguna.
Clay Street, between Divisadero and Scott.
Buchanan Street, between Post and Sutter.

September

Clary Street between 4th and 5th.
Washington Street between Locust and Laurel.

October

Lisbon Street between France and Russia.
Drumm Street between Pacific and Broadway.
Pacific Street between Drumm and Davis.

November

32d Ave. between California and Clement.

December

Front Street between Sacramento and California.
Front Street between California and Pine.

1916—

January

Broadway between Octavia and Laguna.

Feb.

Webster Street between Broadway and Vallejo.
12th Ave. between Lake and Marine Lagoon.

March

Annie Lane between Eddy and Ellis.
Scott Street between Green and Union.

April

Washington Street between Jones and Leavenworth.

May

Jackson Street between Steiner and Fillmore.
Bryant Street between 5th and 6th.

June

Army Street, Sewer Terminal.
Ringold Street between 8th and 9th.

REPORT OF BUREAU OF ENGINEERING

FISCAL YEAR 1915-1916

San Francisco, July 1, 1916.

To the Honorable, the Board of Public Works,
of the City and County of San Francisco.

Gentlemen:—Herewith is transmitted the annual report of the Bureau of Engineering for the fiscal year 1915-1916.

In accordance with the policy of developing an adequate boulevard system with the greatest commercial and scenic possibilities, much work has been expended in improving main avenues for vehicle traffic

Railroad Avenue has been paved and graded so that when the new pavement shortly to be constructed on Third Street is completed, it will be possible to travel through the Industrial district on a smoothly paved boulevard 100 feet wide from Third and Market Streets to the County line.

Negotiations for the Hunter's Point road have been advanced and specifications prepared. This thoroughfare should be constructed during the coming year.

Twin Peaks boulevard has been practically completed. This Avenue ascends on an easy grade to an elevation of 830 feet and encircles the Twin Peaks near their summits. From it is afforded a view of the City and its picturesque surroundings unequaled on the Peninsula.

On the North Bay shore, one section of Camino del Mar, extending from Fort Miley to Lincoln Park along the cliffs above Bakers Beach into the Presidio Reservation, has been completed. For this construction the Panama Pacific Exposition contributed $56,000, and the City approximately $30,000, for rights of way. An extension of this boulevard into the Presidio has been assured by the Federal government. It can then serve both as a military road, affording ready access between Fort Miley and the Presidio, and also as a scenic drive from which an unexcelled close view of the harbor entrance is obtainable.

The first unit of the Esplanade along the Ocean Beach has been completed and the second unit is well under way. When this Esplanade is extended for the total length of the Great Highway from the Cliff House to Sloat Boulevard, San Francisco's Beach will excel in appearance any of the ocean fronts for which Southern California is famous.

To correct some of the mistakes in our rectangular street plan, several excessive grades have been reduced, notably on Hayes Street, Cumberland Street, Collingwood Street and at Larkin and Francisco Streets. All of these thoroughfares were formerly practically unusable by vehicles but since being regraded are readily accessible.

During the past fiscal year more pavements have been constructed in San Francisco under public assessment than in any other single period of the City's history, including:

Asphalt	381,523	sq. yds.	at	cost	of	$730,541
Bituminous Rock	21,520	"	"	"	"	46,191
Basalt Block	18,814	"	"	"	"	64,434
Vitrified Brick	18,828	"	"	"	"	63,083
Broken Rock	29,173	"	"	"	"	22,692
Cobblestone	2,395	"	"	"	"	5,039
Total	472,253	"	"	"	"	$931,980

In June, 1915, bids were invited for furnishing and delivering track and special work for the Church Street Railway, including the material for laying tracks on Market Street. Since that date this line has been completed from Thirtieth to Sixteenth and Church Streets. The City Engineer recommended that an agreement be reached with the United Railroads pending the settlement of the City's right to tracks on Market Street, whereby the Church Street line could be placed in operation immediately upon completion. This recommendation was not acted upon by the Board of Supervisors, with the result that the tracks on Church Street will be idle for an indefinite period.

Contract has been awarded for the extension of the Potrero Avenue line from Twenty-fifth Street to Army Street, the estimated cost of the extension being $10,000.

Bids were invited for furnishing steel rail for track through the Twin Peaks Tunnel, and contract has been awarded for the same.

Over 4300 feet of the Twin Peaks bore have been completed during the past fiscal year. The underground station at Laguna Honda is practically finished and only 4800 lineal feet remain to be completed. As the remaining portion contains no structural difficulties and is in a formation easy to excavate, it is expected that the entire tunnel will be completed before the end of the month of May, 1917.

A Strauss-Bascule bridge is being constructed across Channel Street waterway at Fourth Street, and the bridge over the channel at Third Street has been repaired, so that the newly developed industrial section to the east will be amply provided with avenues of approach.

Work on the main sewers during the past year was confined to the completion of Mile Rock Tunnel and Bakers Beach outlet; the construction of combined sewers in South Bay View District, Oakdale Avenue, San Bruno Avenue and Sloat Boulevard. In the Islais Creek District, a drainage channel was dug along the proposed route of a large reinforced concrete sewer, to reduce to a minimum the danger of floods from winter rains, from which some damage was done last winter.

Work on the Hetch Hetchy project has been materially advanced during 1915-1916. The 67-mile railroad extending from the junction of the Sierra Railway at Rosasco to Hetch Hetchy dam site, is being rushed and should be completed before next spring; a diversion tunnel, through which the Tuolumne River will be by-passed around the main dam site, has been finished; a large proportion of the timber needed for construction purposes has been prepared at the City's sawmill; roads have been built to all portions of the work; a power plant, at which will be generated the electricity for the various construction camps, is being built; the bottom of Hetch Hetchy reservoir has been cleared of timber so that it can be flooded during the coming winter, when the diversion dam, now under construction, will be completed.

Practically all of the application maps required in the Raker Bill have been filed. Application for power line location still remains to be made, but this will be done before December of the present year.

During the past fiscal year, the Department of Surveys established 2505 bench marks; made 1767 surveys for public and private contracts, street repairs, public buildings, etc.; made 40 surveys of lots for private owners; surveyed 6379 blocks and crossings, or a total of 692 miles. Fees collected and turned over to the City Treasurer by this department amounted to $20,623.25.

Instruments have been added to the Engineering Testing Laboratory so that it is now one of the most completely equipped laboratories on the Pacific Coast. In it were tested samples of all material used in City construction, including asphalt, brick, cement, concrete, steel, iron, paints, oils, and water, the total number of tests for the year being 8329.

Following is a detailed report of the various divisions included in Bureau of Engineering.

Respectfully submitted,

M. M. O'SHAUGHNESSY,
City Engineer.

BOULEVARDS.

The economic value of an adequate system of boulevards has not been recognized in San Francisco until recent years. No large city in the United States was so poorly provided with road approaches, and the condition of the main thoroughfare, within the City itself, was not a matter of civic pride.

In outlining a Boulevard System, numerous factors had to be considered. Adequate approaches from the southern end of the Peninsula had to be provided, direct lines of communication between the principal districts of the City established, and suitable routes, from which the desirable features of the City could be viewed, had to be chosen.

Pursuant to the policy of developing to the utmost the City's commercial and scenic possibilities, the Boulevard System has recently been extended.

To provide for the manufacturing district, Railroad Avenue has been paved with asphalt and all excessive grades eliminated. This thoroughfare connects with San Mateo on the south by means of the San Bruno Road, on which paving is now almost completed as far as the County Line. On the north, Railroad Avenue joins with and practically merges into Third Street near the intersection of the latter thoroughfare with Islais Creek. Third Street will soon have a smooth pavement from this junction to its northerly terminus, so that it will be possible to travel through the industrial region on a smoothly paved boulevard 100 ft. wide from Third and Market Streets to the County Line. This route will materially shorten the distance to San Mateo.

Extending easterly from Railroad Avenue along Evans Avenue, a new roadway has been planned to reach Hunters Point drydock. The route will be along Evans Avenue as far east as Ingalls Street; thence on an easy curve to the intersection of Fairfax Avenue and Hawes Street; thence along the last named thoroughfare to Innes Avenue, which will form a portion of the roadway for a distance of four blocks to Donahue Street; thence along Donahue Street to Galvez Avenue, to Coleman Street; thence diagonally to Alvord Street, the entrance to the California Dry Dock Company's property.

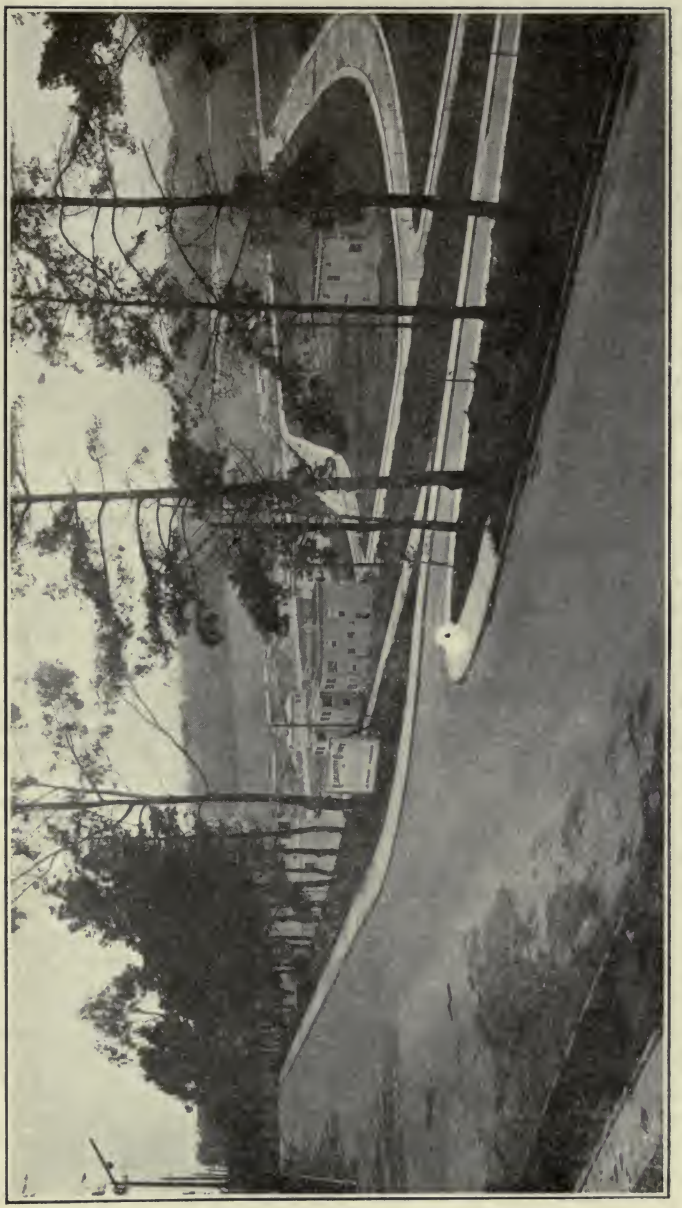
Specifications for the pavement of this roadway have been prepared and arrangements made by which the entire thoroughfare will shortly be constructed, the City paying a portion of the cost, and the remainder to be assessed to the owners of adjacent property.

For many years the industrial district, which will be served by this road, has been absolutely neglected, and many manufacturing enterprises have been forced to seek accommodations in transbay cities or further south along the Peninsula, because there were no adequate roadway approaches to the industrial sites along the east shore of the Bay, which is naturally a manufacturing district. Already the Union Iron Works is building a dock which will be 1,000 ft. long, 120 ft. wide, and cost over $2,000.000, and reached by this roadway.

The Twin Peaks Boulevard now rapidly nearing completion, starts at the intersection of St. Germain and Burnett Avenues, ascends to and encircles near their summits, the two hills known as Twin Peaks at an elevation of 830 ft.; and thence descends to terminate in Corbett Avenue at a point about 900 ft. distant from the westerly boundary line of the San Miguel Rancho.

The roadway consists of an asphalt pavement 25 ft. wide with a 7 ft. 6 in. rock shoulder adjoining it on each side, giving a total width of 40 ft. The pavement is composed of a concrete base 6 in. in thickness, covered by a binder course 1½ in. thick and a 1 in. asphaltic wearing surface. Before constructing any pavement, the subgrade was thoroughly compacted by rolling with a 12-ton road roller.

Surface drainage is carried off by 12 in. corrugated steel culverts, encased in concrete, underlying the roadway at required points. Water collecting in side ditches is discharged into concrete inlets and thence through the culverts.



Portola Drive near West Portal of Twin Peaks Tunnel.

A guard rail consisting of two 2 in. by 6 in. surfaced pine rails nailed to 6 in. by 6 in. surfaced redwood posts 8 ft. apart was constructed in the shoulder adjoining the fill side of the roadway.

The contract for the construction of that section of the boulevard extending from St. Germain Avenue through the City Reservoir site was awarded on June 25, 1915, to Eaton & Smith for the estimated sum of $24,058.

This portion of the boulevard is approximately 2,800 ft. long and its construction necessitated the excavation by steam shovel of approximately 30,000 cubic yards of rock and earth, the construction of 70,000 square feet of pavement and 2,730 lineal feet of guard rail.

The maximum grade on this section of the boulevard is 9% and the sharpest curve has a radius of 60 ft. The roadway on curves is super-elevated to insure safe and easy riding, the maximum super-elevation on the curve mentioned being 14 in.

One of the most notable features of this unit of the boulevard is a curve forming a full semi-circle or horseshoe with a center line radius of 68 ft. To eliminate accidents on this curve, 3,000 cubic yards of rock were excavated in the interior core within the horseshoe to give a clear and unobstructed view across the same.

Work under this contract was completed April 1, 1916, and the roadway thrown open to traffic immediately.

The contract for the second section of the Twin Peaks Boulevard extending from the City Reservoir site to Corbett Avenue was awarded on September 20, 1915, to F. R. Ritchie & Co. for the estimated sum of $54,745.

This unit of the boulevard is about 7,900 ft. long, 6,820 ft. of same being built on an acquired right of way. The contract included the excavation of approximately 63,000 cubic yards of rock and earth and the construction of 202,121 square feet of pavement, 960 lineal feet of 12 in. culvert and 8,000 lineal feet of guard rail.

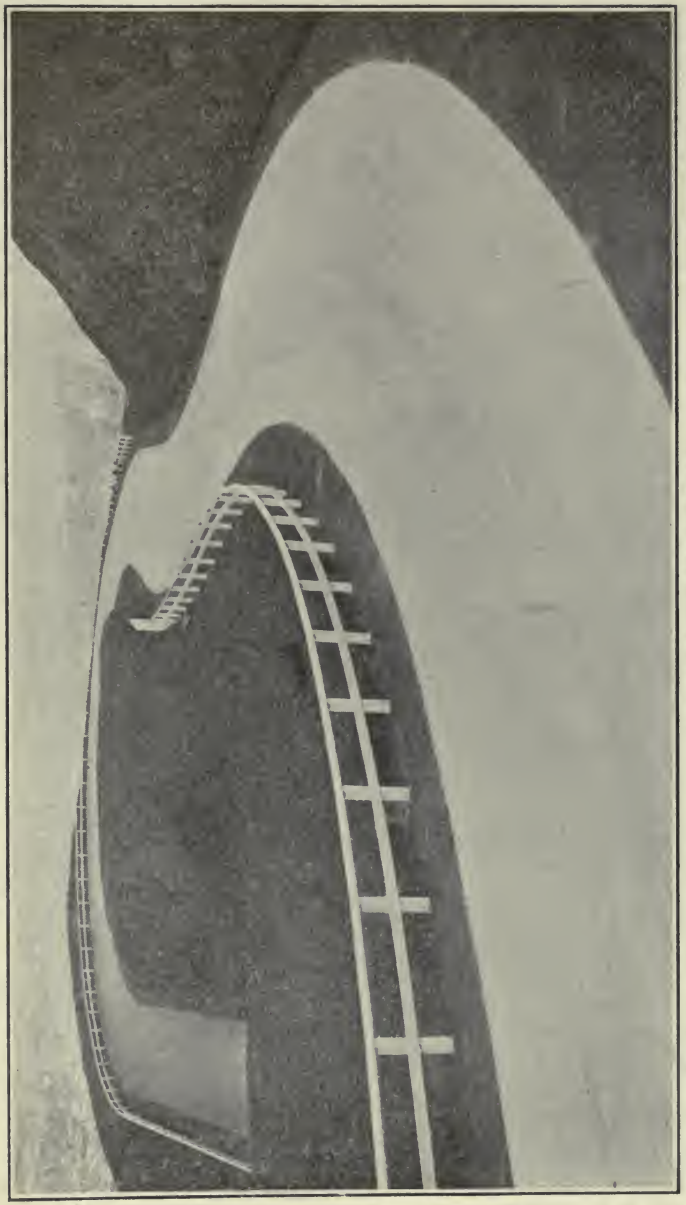
Excavation was performed by a steam shovel. For fills the excavated material was placed in the piles by means of scrapers and dump wagons and thence rolled in layers by a 12-ton road roller. One of the fills underlying the roadway is 60 ft. deep. The surface of the side hills underlying the fills was thoroughly plowed before placing any material for fill.

The maximum grade on this section is 9 per cent and the sharpest curve has a radius on the center line of 60 feet. The roadway has a uniform crown of 2½ in. and it is super-elevated on all curves.

The boulevard encircles the two peaks at approximately the 825 ft. contour, giving a closed loop resembling the figure 8, the distance around same being 3,173 lineal feet.

A magnificent view of the City of San Francisco and surroundings may be obtained from any point on this loop. Work under this contract is now practically completed.

Another boulevard recently constructed is the Camino del Mar, extending from Fort Miley to Lincoln Park, along the cliffs above Bakers Beach into the Presidio Reservation near Lobos Creek, a length of 1,665 ft. This boulevard will serve as a military road, for which reason $30,000 was donated by the Federal government for extending the same through the Presidio Reservation to connect with the McDowell Drive. Eventually the road will be extended to connect with the Marina on the north shore of the Bay, and from Fort Miley southerly to join the Ocean Beach Esplanade, the construction of which is described in detail later in this report. The Panama Pacific Exposition contributed $56,000 for paving and the City $30,000 for acquiring rights of way in this project.



Portion of Twin Peaks Boulevard.

From Camino del Mar, an excellent view of the inner bay and Marin hills is obtainable, and the picturesque scenery along the route is impressive alike to resident and tourist.

A portion of the boulevard system is now in course of construction along the Ocean Beach. Eventually the Esplanade will be extended as far south as the Sloat Boulevard and an additional road will lead from its terminus around Lake Merced. At the present, one section of the Esplanade protection wall is being constructed and the contract for the second section has been awarded.

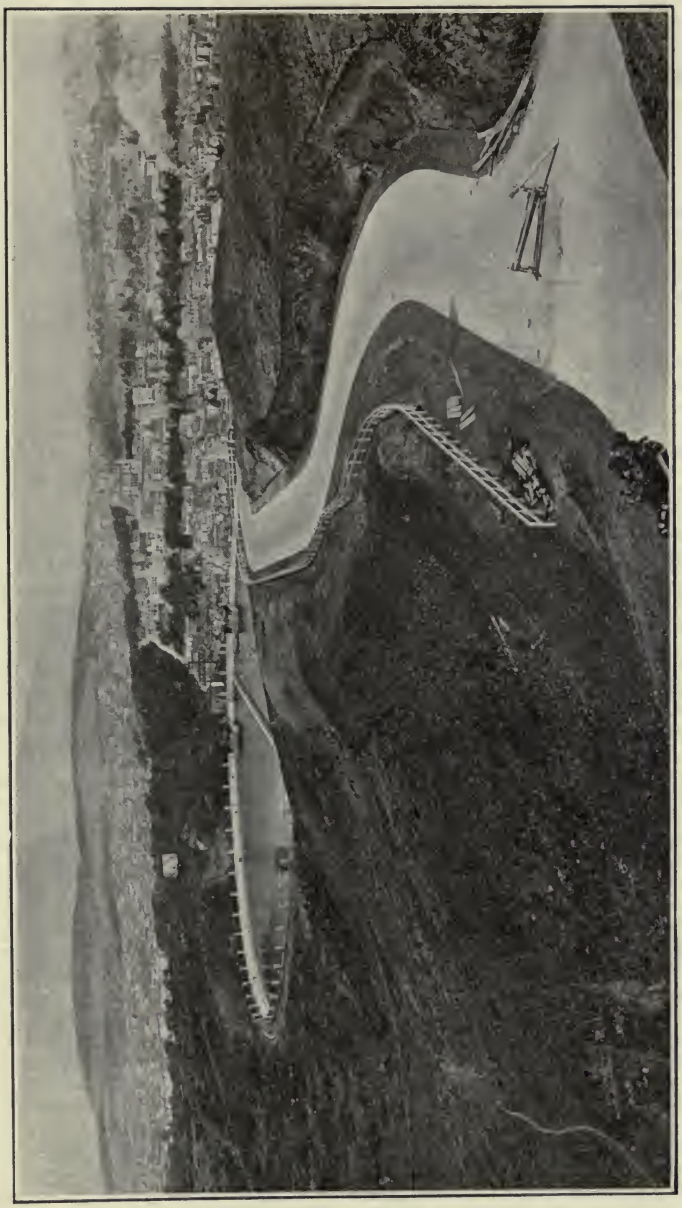
A scenic road around Telegraph Hill has been planned by the Bureau of Engineering and a small appropriation was requested of the Board of Supervisors which would enable the purchase of some of the lands necessary for its construction. Work on the Telegraph Hill Boulevard should be started during the fiscal year 1916-1917, which would permanently prevent the hill from the inroads of quarrymen.

Work will soon be started on the paving of Clarendon Avenue from Clayton Street southerly to connect these two completed sections around Twin Peaks with the already constructed boulevards leading southerly from Haight Street around Buena Vista Park.

Construction work has been completed on Plan No. 1 of the Market Street Extension, Corbett Avenue between 24th Street and the San Miguel Rancho. This consists of a 20 ft. roadway with two 7½ ft. shoulders, similar in construction to the Twin Peaks Boulevard described above.

The following tabulation shows the progress made on the principal units of the Boulevard System during the last fiscal year:—

	June 30, 1915	June 30, 1916
1 Junipero Serra Blvds.	Completed	
2 Sloat Boulevard	"	
3 Portola Drive	75% completed	Completed
4 Market Street Extension (Corbett Ave. Plan No. 1)	Proposed	
5 Market St. Extension (Plan No. 2)	"	Preliminary studies being made
6 19th Ave. Boulevard	Partly completed	Completed
7 Ocean Boulevard	" "	Finished save portion in Presidio, funds for which Congress recently appropriated
8 San Bruno Extension	" "	Completed
9 The Great Highway and Esplanade	Proposed improvement	Sect. "A" 500 ft. long 65% completed
10 Twin Peaks Blvd.	1st unit awarded	Both units completed
11 Hunters Point Blvd.		Proposed
12 Telegraph Hill Blvd.		"
13 Marina Boulevard		"
14 Twin Peaks Extension		"
15 Clarendon Ave., Clayton to St. Germain		Contract awarded



View of Richmond and Sunset Districts from Twin Peaks Boulevard.

BERNAL CUT.

As outlined a year ago, this improvement is badly needed but its acquisition will have to be deferred until provision has been made to finance the purchase of right of way and cost of construction work.

OCEAN BEACH ESPLANADE.

The first section of Ocean Beach Esplanade now under construction on the west shore of the City just south of the Cliff House by J. D. Hannah, Contractor, was started January 10, 1916. The structure is planned primarily for beach protection, having a front wall formed by driving interlocking concrete piling to depth of 13 ft. below extreme low tide. These piles were precast, are 10 in. thick, 4 ft. wide and 20 ft. long and when in position form a reinforced concrete curtain wall 10 in. thick extending north and south. 28 ft. to the east of this outer line of sheet piles are located pedestal piles 18 in. square with 3 ft. square bulb and 24½ ft. in length and spaced at 10 ft. centers. Between these two rows of piles are placed heavy reinforced beams 20 in. by 43 in. by 27½ ft. weighing 13 tons, which form the main ties, and by means of keyways support the intermediate slabs of concrete. These beams are placed on 20 ft. centers except at stair sections where they are at 10 ft. centers. The space between beams is concreted to form a heavy reinforcing slab, 5 bleacher seats and 3 stringers for additional support. The stringers have a cross section 16 in. by 18 in. The entire section between the beams has a solid bearing on sand and 18 in. of packed clay. The minimum thickness of this bleacher section is 12 in. The last bleacher riser develops into a rollway and this rollway ends at top of and forms part of a 3½ ft. parapet wall with returns at either side of each stairway section. Behind the parapet is a 20 ft. sidewalk with scrupper holes to release wave water, and 6 in. concrete curb and gutter.

Over the front row of sheet piles is a heavy reinforced concrete slab 4 ft. thick and 6 ft. wide which caps the piles and forms a main support for lower ends of beams and intermediate slabs. At the upper end of beams, bearing on pedestal piles is a similar cap which ties the upper portion of slab and structure together. Expansion joints are provided and likewise drinking fountains and electric light connections.

All sheet piles, H beams and pedestal piles were precast, allowed to season for 40 days and then put into position. Most of the precast work was done on the bank above the beach and hauled to position on cars over a construction track. Some were cast on the beach and handled directly by derrick. All piles were driven by 4 water jets and steam hammers.

Two jets of 2 in. pipe reduced to ¾ in. at discharge end were used on each side of sheet piles and one at each corner of bulb on pedestal piles and in both cases were so located that they discharged about 1½ ft. below the bottom of pile.

Water for jetting was supplied by the Olympic Salt Water Co. under static pressure of 130 pounds and nozzle pressure of 40 pounds per jet. Consumption of water by jetting process was approximately 100 cubic feet per minute. The steam hammer was made useful by the fact that the summer beach level is 8 ft. above required grade on sheet piles, and if placed to required grade by jets, it would be impossible to interlock the next pile. Therefore, 10 or 11 sheet piles were placed to sand grade and then with hammer and jets were driven to the required grade, one sheet pile always remaining at sand level to start next pile. Pedestal piles were jetted to required grade without the use of hammer. All jetting was accomplished without very great difficulty. Floating boulders, especially at the north end of the contract, gave some trouble, making it necessary to excavate 8 feet to winter beach level and then remove boulders.

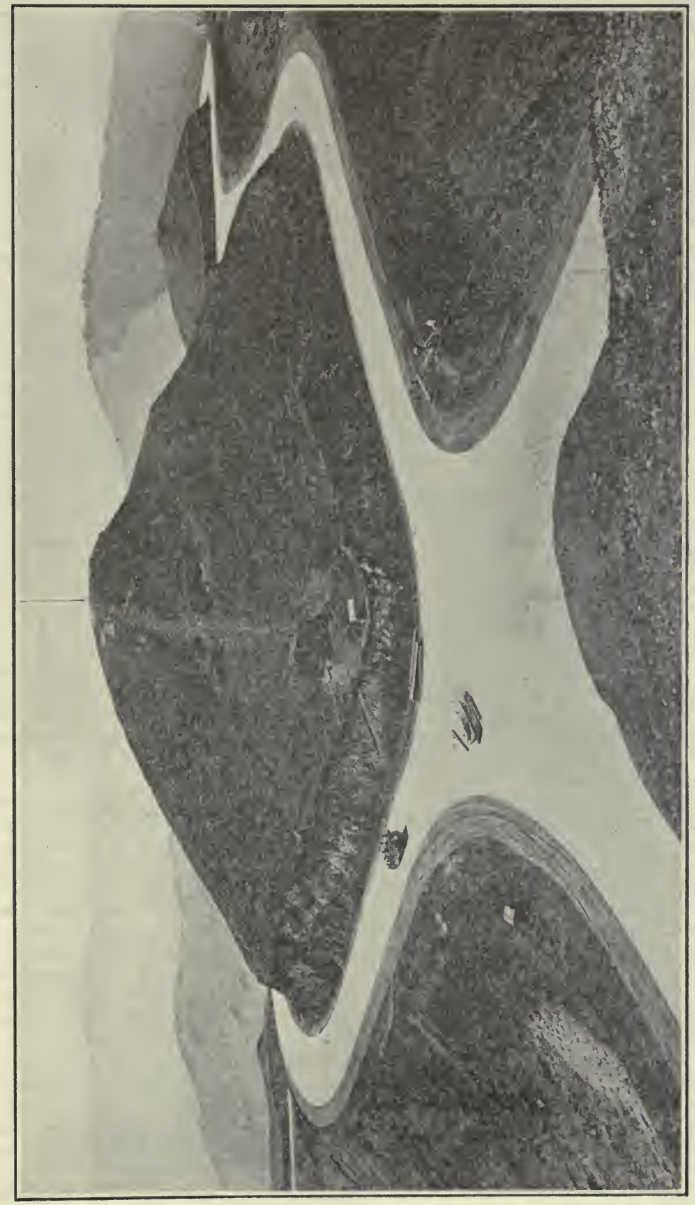


Figure 8 on Twin Peaks Boulevard.

On all precast work the concrete mix was 1-1½-3. The concrete on balance of work will be 1-2-4, the same being used throughout.

At present the driving of all piling is complete, H beams are in place and graded, and sheet piles poured. Bleacher section forms are in place and tamping of sand and clay under bleacher slab is in progress. Over 250 lineal feet of bleachers have been poured. Contract will be completed with the possible exception of sidewalk and backfill by August 1.

Contract for the second unit of the esplanade was awarded in July, 1916, to J. D. Hannah for $23,148.90. This provides for an addition of 170 lineal feet of structure identical with that described above, so that by November 1, 1916, 670 ft. of structure will be completed. It is to be hoped that in the forthcoming budget enough money will be appropriated to complete this deserving project as far south as the chalet pile structure built some years ago.

REGRADES.

On account of the excellent landscape views obtainable from their slopes, some of San Francisco's hills are extremely desirable as residence sites. Unfortunately, however, little thought was given to topography by the surveyor who first laid out the City in 1848. One set of streets was run parallel to the meridian, and another at right angles thereto. The fact that this gridiron plan would later necessitate grades as steep as 55 per cent on some streets and thereby greatly detract from the value of adjoining property, apparently was overlooked until many years later.

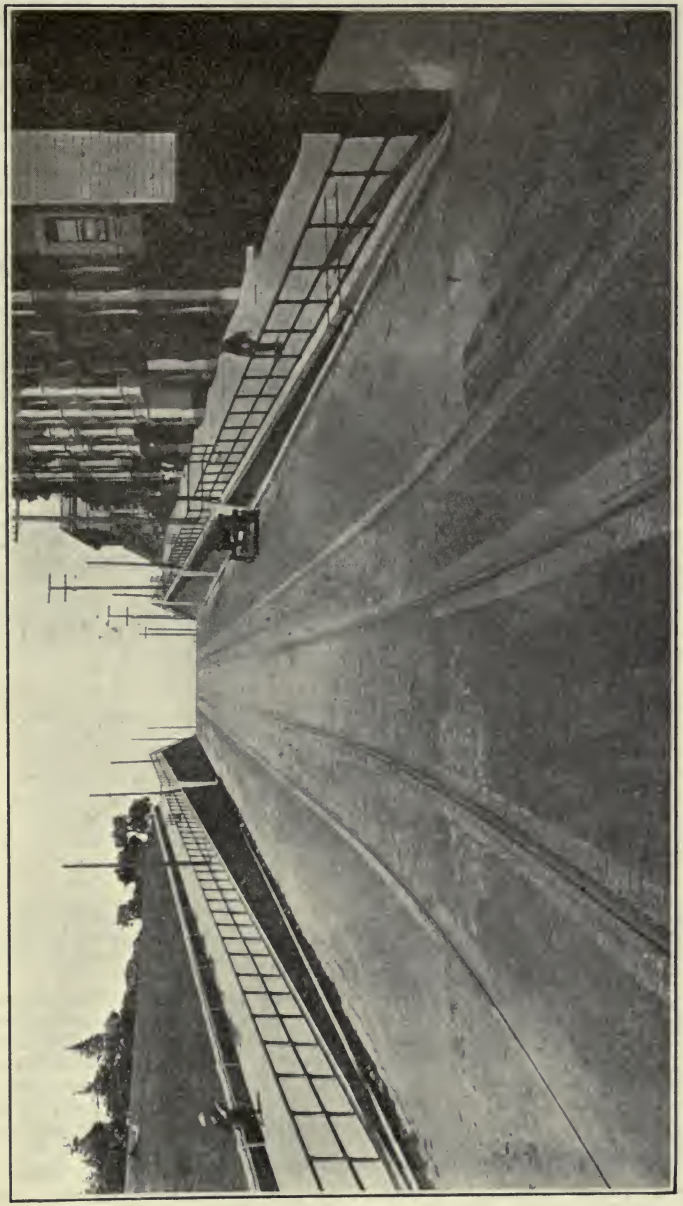
To eliminate, at a minimum cost, as many as possible of these excessive grades has been the policy of the City Engineer's office. No standard plan has been adopted to suit every grade, but a separate study is made of each case, and the improvement best adapted thereto recommended.

At the request of the property owners affected, the grade of Larkin Street between Chestnut and Francisco Streets has recently been reduced from 29 per cent to a maximum of 16 per cent. The cost of this improvement is being paid by the owners having frontage on the streets to be regraded. On Larkin Street $16.31 per front foot will be assessed against the property on each side of the street, and on Francisco Street the rate will be $20.29 per front foot. Present property values on both these streets are now in the neighborhood of $115 per front foot. The regrade will advance this value to over $250.

For a width of 28 ft. the east side of Larkin Street between Chestnut and Francisco Streets has been cut down to descend on a uniform 16.07 per cent grade. On this incline is an 18 ft. vitrified brick roadway and a 10 ft. artificial stone sidewalk. This strip is separated from the west side of the street by a reinforced concrete retaining wall, and near the bottom of the hill turns westward into the southerly side of Francisco Street. The west side of Larkin Street has been graded to a higher elevation than the east side, and descends on grades varying from 4.37 to 10.92 per cent, for a distance of 157.5 ft., where its vitrified brick roadway 28.25 ft. wide terminates in a parked slope. At its termination the west roadway is 12 ft. higher than the east roadway directly opposite. The sidewalk continues down the west side in a series of steps to the level of the easterly strip at Francisco Street.

Turning westerly, the steeper strip continues to descend on a 16 per cent grade along the south side of Francisco Street for a distance of 127.5 ft., separated from the north side of the street by a reinforced concrete retaining wall. Around the westerly end of this wall the roadway turns through 180 degrees, descending easterly along the north side of Francisco Street on a 3.6 per cent grade, back to Larkin Street, into which it turns northerly.

By this detour a roadway suitable for automobile traffic has been provided from the North Beach District to the higher levels on the south, and some very



Hayes Street Regrade.

desirable hillside home sites, now inaccessible and undeveloped, opened for immediate settlement.

Contract for this construction was awarded to F. Rolandi at an estimated cost of approximately $30,000. The construction will be completed in the immediate future.

The entire expense of this work is being paid for voluntarily by the property owners, without any appeal to the municipal treasury. They co-operated with this office in the most friendly manner to adjust the problems connected with this work.

HAYES STREET REGRADE.

This improvement has recently been completed and consisted of cutting the roadway down between curb lines for a maximum of 15 ft., thereby establishing a 10.909% grade between Scott and Pierce Streets in lieu of the 14.54% grade previously existing, and lowering the intersection of Pierce and Hayes Streets an average of 14 ft. Retaining walls at the curb lines form the sides of the cut, stairways being provided at intervals connecting the street with the sidewalks on the upper level. Sewers and public service pipes were placed under the sidewalks. The Hayes Street electric car line which formerly detoured at Fillmore Street to reach the district west of this regrade now continues directly over Hayes Street through the new cut, effecting considerable saving in time and power. On this work 11,500 cubic yards of excavation was done by the Street Railway Company while the City paid $16,000 for the balance of the improvement.

Bids are about to be received for the improvement of Cumberland Street, Sanchez to Noe Streets, and Sanchez Street, 19th to 20th Streets, and proceedings have been started for the improvement of Leavenworth Street, Chestnut to Hyde Street.

Collingwood Street, 20th to 22nd Streets, and 21st Street and 22nd Street between Castro and Diamond Streets, are to be treated shortly to improvements that will tend to make accessible this very precipitous district.

Other projects of a similar nature are:—

Bartol Street, Vallejo and Broadway, Kearny and Montgomery Streets;
Caselli Avenue, Falcon and Eagle;
Caselli Avenue, Clayton, Corbett, Mars.

MUNICIPAL RAILWAYS.

CHURCH STREET ROAD

Article XII of the new Charter of the City and County of San Francisco which became effective January 8, 1900, declares it to be the intention of the people that its public utilities shall be gradually acquired and ultimately owned by the City and County of San Francisco.

With particular regard to the ownership and operation of its street railway system, this policy may be considered to have been ratified by the people when on December 30, 1909, at a special election they voted $2,020,000 of bonds for the construction of the Geary Street Railway, the franchise for the old Geary Street Cable Road having expired in 1903. With this money the Geary Street Municipal Railway was constructed and operation from Kearny Street to the Beach and Park commenced on December 28, 1912; on June 24, 1913, operation was extended to the Ferries.

The Panama-Pacific Exposition a little later made imperative the immediate expansion of the Municipal Railway System to provide transportation to and from the fair grounds. The site selected for the Exposition, while ideal in some

respects, was somewhat inaccessible and presented a serious problem in the matter of street transportation. The only lines running anywhere near the Exposition were the Fillmore Hill and the Polk Street Lines of the United Railroads and the Union Street Line. The exposition directors, City officials and Railway officials were impressed with the need for action and gave the matter early and serious consideration. In addressing the Board of Supervisors on the subject on February 5, 1913, C. C. Moore, President of the Exposition Company, said: "I do not think we are saying too much when we say that the burden of supplying adequate street railway transportation to the Exposition belongs to the City and not to us. We want to tell you how desperate this is, how utterly and completely inadequate the present facilities are. * * * With no street car facilities to the Exposition Grounds our $100,000,000 structure, built by our pride and our patriotism, so far from fruition, will be a sad thing to contemplate."

At the same meeting, Mr. Mullaly, Exposition Director, and Vice President of the United Railroads, stated most emphatically that "The United Railroads will not build one foot of additional street railroad under present charter conditions."

Confronted with these conditions, upon the request of the Directors of the Panama-Pacific International Exposition, the Board of Supervisors by resolution directed the Board of Public Works to have the City Engineer submit plans and estimates of cost of a Municipal Railway System designed to furnish to the Panama-Pacific Exposition an adequate street railway service and at the same time form a nucleus for a desirable Municipal Railway System.

In accordance with this resolution the City Engineer on April 5, 1913, submitted to the Board of Public Works for transmittal to the Supervisors, a report upon the extensions of Municipal Railways to provide transportation for the Panama-Pacific International Exposition. Acting upon this report, the question of a bond issue of $3,500,000 for constructing the lines recommended therein was submitted to the people and overwhelmingly carried at an election held August 26, 1913.

The subsequent program of prompt and efficient construction under the supervision of this department—all work being completed on time—provides a unique exhibit of municipal efficiency.

The Exposition has since passed into history, but it is of interest to review a few of the figures bearing upon the attendance and the transportation that it may better be appreciaed how necessary these lines were to the success of the Exposition and how well the demands were met.

The total attendance at the Exposition for the 288 days was 18,875,974. It is estimated that at least 50 per cent of this number was handled on the Municipal lines, representing approximately $1,000,000 in fares due to the Exposition traffic alone.

The greatest attendance for any single day was on closing day, December 4, when 458,558 people attended the Exposition. The Municipal Railway receipts on this day were $16,748.20, representing 334,964 cash fares; or in other words, 36½ per cent of the total attendance rode both ways on the Municipal lines.

The second largest day was San Francisco Day, the attendance being 348,372, the railway receipts $13,922.75, or 40 per cent of the attendance both ways.

The third largest day was opening day, 255,149, when the railway receipts were $13,299.70, or 52 per cent of the attendance. All of these days were holidays and practically all of the business handled by the roads was Exposition traffic. The reduction of the percentages as the attendance of 255,000 was exceeded, indicates that the capacity of the lines was practically reached on these three days that the crowds were not comfortably handled. The pre-Exposition estimate was that there would be at least one day in excess of 250,000 attendance.

The total Municipal Railway receipts for the Exposition year were $2,255,841.15 to apply to interest, depreciation and reserves. It is interesting to note

that this surplus represents practically the total cost of the track construction for the Exposition extensions.

Of all the lines provided for under the 1913 Bond Issue the Church Street line was the only one not completed for service prior to the opening of the Exposition.

An examination of the Journal of the Board of Supervisors will reveal the extent and bitterness of the controversy aroused at the time that the construction of this road was up for consideration. Briefly, the history of this Church Street controversy which was the cause for the delay in the construction of this line, is as follows:—

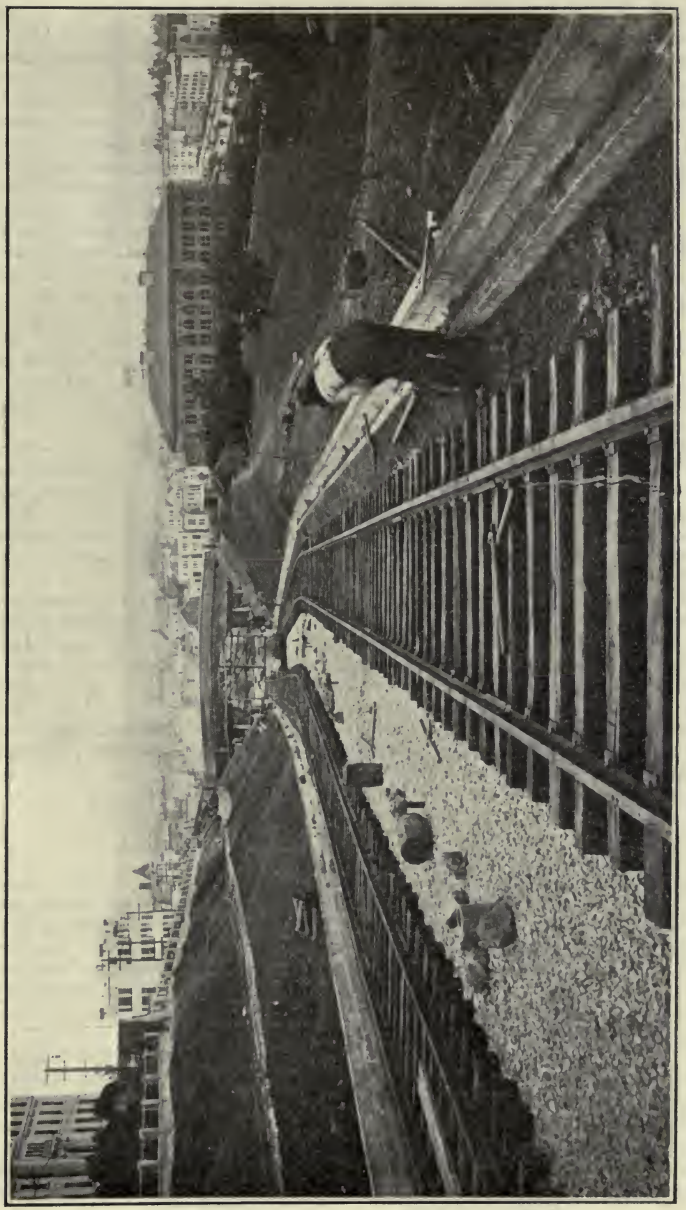
The City Engineer recommended that the Church Street line be diverted from Church Street through Mission Park and a private right of way acquired from 18th to 22nd Sts., for the purpose of making a detour to overcome the extreme grade of 19.3 per cent on a direct route over Church Street between 20th and 21st Streets. In connection with this diversion it was planned also to open a street along the railroad grade for the accommodation of vehicular and pedestrian traffic, the cost of opening this street to be paid for by an assessment on the property benefited. The assessment feature aroused a storm of protest from a number of the affected property owners.

In an endeavor to effect a solution of this Church Street problem satisfactory to all interests, some nine comprehensive studies were made by the City Engineer, including, by an order of the Board of Supervisors, the preparation of complete plans and specifications for a cable operated road over the hill. After protracted discussion by the Board of all the possible solutions, which lasted for eighteen months, on February 8, 1915, the Supervisors passed an ordinance empowering the Board of Public Works to authorize the City Engineer to prepare plans, specifications and contracts and advertise for bids for furnishing necessary material for constructing the Church Street extension of the Municipal Railway System and approving the plan for overcoming the grades between 18th and 22nd Streets by a diversion through Mission Park and private property between 20th and 22nd Streets. This plan, as finally approved, follows closely the original recommendation of the City Engineer as to location, but the right of way was narrowed to 28 ft. and is without provision for pedestrian or vehicular traffic. Under pressure of the protestants organized as the Church Street Non-Assessment League, the Supervisors agreed that the City would assume the expense of opening the railroad right of way, thereby adding something over $150,000 to the charges against the railroad construction.

By comparing the finally adopted plan with the tunnel project suggested in Arnold's report, Page 278, which would have cost $100,000 more to execute and be less desirable for use, the City is to be congratulated on the final outcome and much well deserved credit should be given to Messrs. Ransom and Eckart of this office for their intelligent zeal in furthering this work.

Acting upon the ordinance authorizing the construction in June, 1915, bids were invited for furnishing and delivering the track special work for the Church Street Line, including the track special work for laying outer tracks on Market Street. The question of purchasing this material for the outer tracks on Market Street was put up to the Supervisors, but no decision was reached until December 1, 1915, when the Board of Public Works was authorized to purchase all of the materials for the Church Street Line except those for the outer tracks on Market Street from Van Ness Avenue to Church Street.

Contracts were awarded for constructing one section of the Church Street Line from 18th to 22nd Streets, and another section from 16th to 18th Streets and from 22nd to 30th Streets. Both of these contracts have been completed prior to July, 1916, but owing to a controversy with the United Railroads and an injunction, the City has been unable to connect its Church Street tracks with the other tracks of its system. The City Engineer's office had previously taken



Grade for Detour on Church Street Railroad.

this matter up and agreed with the engineers of the United Railroads on the valuation of the tracks between Market Street and 16th Street on Church Street, which tracks formed a part of the Church Street Line under the original plan. Arrangements also were made with the United Railroads by which connection would be made with the United Railroads tracks on 16th Street at Potrero Avenue and at Church Street for the purpose of permitting temporary routing to and from the Potrero Avenue car barn from the Church Street tracks, the City paying the United Railroads a nominal charge for current and wear and tear on the track and overhead. Pending the settlement of the question of the City's right to lay tracks on Market Street, the United Railroads agreed to an exchange of transfers at Church and Market Streets. These arrangements, which offered a temporary solution for the operation of the Church Street Road, were never consummated owing to the refusal of the Board of Supervisors to allow the exchange of transfers at Church and Market Streets on a 40-60 basis, that is, redeeming Municipal transfers for three cents from the United Railroads and allowing the United Railroads to redeem their transfers to Church Street on a two cent basis. This interchange was recommended by the City Engineer's office as being equitable based on the ratio of the lengths of the lines involved, the Church Street line being approximately 9,000 ft. against 14,000 ft. operated by the United Railroads on Market Street.

In order to precipitate matters and bring the questions into court for a final settlement of all the questions involved, the City commenced the installation of the outer tracks on Market Street at Van Ness Avenue on June 12, 1916, but were stopped from proceeding by an injunction secured in a Federal Court. This matter is still in the courts at the present time and it will probably be several years before it is finally settled as both the City and the United Railroads are determined to carry the matter to the highest tribunal.

In the meantime, a second contract for purchasing track special work for the Market Street section of the Church Street Line has been awarded to the United States Steel Products Company, which provides that the City may order this material at any time within a period of one year or abandon the contract, so that whenever this matter is settled favorable to the City, work can proceed immediately on the construction of the track.

Owing to the complex proposal connected with the Church Street work, it is interesting to recite the different public proceedings incident to the successful completion of a portion of this work:—

CHURCH STREET LINE—MUNICIPAL RAILWAYS

Connection between Van Ness Avenue and Church Street.

June 29, 1914—Resolution directing Board of Public Works to prepare plans and specifications for the construction of the Church Street Line from Market Street and Van Ness Avenue to Dorland and Church Streets to 30th and Church Streets, and that the construction of this unit be proceeded with as soon as possible, owing to difficulty in getting satisfactory plans for portion between 22nd and Dorland Streets.

Motion introduced; laid over 3 weeks.

Aug. 3, 1914—Above motion reported on adversely by Public Utilities Committee and refused passage, 10 to 6.

Dec. 21, 1914—Ordinance authorizing Board of Public Works to prepare plans and specifications and contracts, and advertise for bids for material for constructing the Municipal Railway along Market to Church Street and along Church Street to the northerly line of 18th Street. Introduced by Vogelsang; referred to Public Utilities Committee.

Jan. 4, 1915—On motion of Supervisor McCarthy, consideration of ordinance laid over 2 weeks; 13 to 4.

Jan. 19, 1915—Ordinance authorizing construction of Church Street Line from Van Ness Avenue out Market Street to 18th and Church Streets; brought up and made special order of business for the following Thursday at 3 P. M.

Jan. 21, 1915—J. R. 1626, introduced by Power, requesting City Engineer to present estimate of cost of Church Street road, utilizing United Railroads trackage now in place on Market and Church Streets; carried unanimously.

Ordinance authorizing Board of Public Works to prepare plans and specifications for the construction of the Church Street extension from Van Ness Avenue and Market Street to 18th and Church Streets, indefinitely postponed on motion of Supervisor Vogelsang.

Jan. 25, 1915—Motion introduced by Supervisor Power requesting United Railroads to advise Board of Public Works to enter into agreement with City for use of Market Street tracks; lost 8 to 8.

Feb. 1, 1915—Report of City Engineer dated January 27, 1915, showing estimate of cost of constructing Church Street Line, recommending that authority be given the Board of Public Works to immediately advertise for bids for furnishing material and labor necessary to construct the Church Street extension from Van Ness Avenue and Market Street to 30th and Church Street, and recommending that the Board of Supervisors pass a resolution indicating whether they desire that additional tracks be constructed outside of the United Railroads tracks on Market Street from Van Ness Avenue to Church Street or to use the United Railroads tracks on this street.

Thereupon Supervisor Vogelsang presented a bill directing the Board of Public Works to prepare plans and specifications for the construction of the Church Street extension. Passed to print.

Feb. 8, 1915—Ordinance authorizing Board of Public Works to advertise for bids for constructing the Church Street road from Van Ness Avenue and Market Street to 30th and Church Streets; adopted 11 to 6.

J. R. 1662 introduced by Vogelsang, authorizing Mayor and City Attorney to enter into negotiations with the United Railroads for the joint use of tracks on Market Street. Carried unanimously.

June 19, 1915—Board of Public Works invited bids for furnishing and delivering track special work for the Church Street line, including track special work for outer tracks on Market Street from Van Ness Avenue to Church Street.

June 26, 1915—Board of Public Works called for bids for furnishing and delivering steel rails, rail fastenings and joints for the Church Street Line.

July 9, 1915—Letter from City Engineer to the Board of Public Works recommending that the question be submitted to the Supervisors and a decision obtained from them as to whether or not it is their intention to have outside tracks constructed on Market Street.

July 22, 1915—Recommendation of City Engineer to award contract for track special work and advising contractor not to execute work until policy settled.

July 27, 1915—Letter from City Engineer to Board of Public Works awarding contracts for various materials and recommending contract be held up pending settlement by the Supervisors as to the question of constructing outer tracks on Market Street.

Sept. 20, 1915—Communications from the City Attorney and Mayor relative to negotiations with the United Railroads for the use of the Market Street tracks, indicating that no agreement was probable.

Dec. 1, 1915—Approximately, Public Utilities Committee, Board of Supervisors, authorized purchase of all materials not actually involved in constructing outer tracks on Market Street.

Dec. 7, 1915—Report of City Engineer to Public Utilities Committee suggesting three possible solutions for operation on Church Street Road.

Jan. 3, 1916—Bill No. 3907 authorizing submission of an offer to United Railroads for purchase of west of Twin Peaks Tunnel Line with provision for interchange of transfer at Church and Market, etc. Recommitted to Public Utilities Committee.

Apr. 3, 1916—Resolution No. 12,772 (new series) accepting offer of United Railroads for use of tracks on 16th Street from Potrero Avenue to Church Street. Accepted. Passed 17 votes.

May 1, 1916—Resolution No. 12,887 directing Board of Public Works to proceed with construction of outer tracks from 16th and Church Streets to Van Ness Avenue and Market Street. Adopted. 17 votes.

May 2, 1916—United Railroads refuse to allow installation of track crossing at 18th and Church Streets.

May 4, 1916—Conference Mayor Rolph, Judge Sullivan, M. M. O'Shaughnessy, N. A. Eckart; decision made to install 18th Street crossing on Saturday afternoon and Sunday.

Apr. 29, 1916—Section "C" of Church Street Line completed.

May 13, 1916—Commenced installation of crossing at 18th and Church Street at 1 P. M.; in place ready for operation of United Railroad cars Sunday morning.

May 14, 1916—Connected up rails of Section "C" with crossing.

May 18, 1916—Letter withheld from Board of Public Works.

May 19, 1916—N. A. Eckart in consultation with Mayor Rolph relative to installation of crossing at Van Ness Avenue and Market Street.

June 9, 1916—Conference, Mayor Rolph, Judge Sullivan, George Lull, M. M. O'Shaughnessy, N. A. Eckart, relative to installation of tracks on Market Street and laying foundation for suit.

Decided to install crossing at Van Ness Avenue and Market Street on June 12.

June 12, 1916—Resolution of Board of Public Works authorizing City Engineer to construct outer track on Market and Church Streets by day labor.

1 P. M. commenced opening street to install crossing.

June 13, 1916—Enjoined from further work.

June 28, 1916—Section "B" track work completed.

July 21, 1916—Contract No. 81 for installation of trolley wires completed and road ready for operation except connection with United Railroads.

Aug. 22, 1916—Judge Hunt (U. S. Circuit Court) commenced hearing of case.

Aug. 25, 1916—Completed hearing of case. Fixed October 10 as date for submission of final briefs of United Railroads in rebuttal.

In the last annual report mention was made of the proposed extension of the Municipal Railway across Golden Gate Park from 10th Avenue and Fulton Street to 14th Avenue and Judah Street, the plans and specifications for which road at that time were approximately 90 per cent completed. Upon the completion of these plans, they were submitted to the Board of Park Commissioners in November, 1916, with the request that the Park Commissioners give their consent to the construction of this line in accordance with the plans prepared. This request was met with absolute refusal and with the counter-suggestion that if the Park was to be crossed it should be in the vicinity of 20th Avenue and then in a subway or tunnel. The cost of such a tunnel being in the neighborhood of $800,000 was of course absolutely prohibitive and warranted no consideration. Following upon this action by the Park Commissioners, the Board of Supervisors passed a resolution directing the Board of Public Works to immediately proceed with the construction of the line across the Park in accordance with the plans prepared under the original ordinance. This resolution was vetoed by His Honor, Mayor Rolph, and later failed of securing the necessary votes to pass over the Mayor's veto. Immediately prior to vetoing the resolution, the Mayor called a conference of the Park Commission and representatives of the Supervisors and the City Engineer in an endeavor to reach some solution. At this conference the Park Commission remained firm in their stand to oppose the construction of the Golden Gate Park Line between 10th Avenue and Fulton Street and 14th Avenue and Judah Street, but offered as a compromise to permit a surface crossing at 20th Avenue, the crossing to follow the City Engineer's plans as developed for the original location. Due to the excessive outlay involved for this 20th Avenue route, the loss of earnings from the missing patronage of the music stand region the desirability of its construction now may be well questioned if the funds are available. The construction of the line across Golden Gate Park is at present in a somewhat anomalous condition. There is an ordinance authorizing and directing the Board of Public Works to construct this line between 10th Avenue and Fulton Street and 14th Avenue and Judah Street and the City Attorney has held that the Supervisors have the authority to order the construction of this line across the Park regardless of the opposition of the Park Commission provided that such road does not interfere with the free use of the Park for park purposes. Eminent attorneys, on the other hand, question this and nothing but a Court decision can absolutely determine the question. In view of this it is doubtful if any line will be built across the Park for some time to come.

In conjunction with the extension of Potrero Avenue south this office has recommended, and the Board of Supervisors have authorized, the construction of an extension to the Potrero Avenue Line from 25th Street, at the present terminus, to Army Street, the estimated cost of the work being $10,000. This short extension was determined on in view of the fact that, by constructing the track in advance of the pavement, a saving of approximately $2,500 would be effected in the ultimate cost of the Potrero Avenue extension by avoiding the necessity of tearing up new pavement to lay tracks. Contracts for furnishing the track special work have already been awarded and contracts for the track work will be let at such time as to permit of the track being laid following the completion of the heavy excavation.

Upon the recommendation of this office the Supervisors have appropriated $275,000 from the surplus earnings of the Municipal Railway System for the purpose of constructing the track and overhead work through the Twin Peaks Tunnel from 17th and Market Streets to the junction of Sloat and Junipero Serra Boulevards. The ordinance authorizing this construction also provides for a connection from the west portal of the Twin Peaks Tunnel out Taraval Street to the Ocean Beach. The additional money necessary for completing this portion of the line has not as yet been appropriated. Bids have been invited for furnishing the steel rail for the track work through the tunnel and other contracts

will be let at such times as may be necessary to provide for the completion of the Twin Peaks Line at the earliest date the progress of the tunnel will warrant.

The City Engineer has on several occasions orally and in written reports advised the Board of Public Works and Supervisors of the necessity of preparedness in having adequate transportation facilities arranged so as to reap the fullest benefit to the City immediately on the completion of the $4,000,000 Twin Peaks Tunnel. San Francisco is suffering from lack of adequate rapid transit to the outlying sections, and while the problem is involved and complex, the City authorities have shown so much constructive ability in the past four years in overcoming other obstacles that it is hoped some immediate attention and consistent effort will be given to this pressing subject.

The street railway situation in San Francisco presents a number of serious problems. The track mileage in the City is more than five years behind the needs of the present population. It is difficult to extend the street railway facilities logically or economically because of the fact that all of the railway lines are not under a unified control. The City cannot force the United Railroads to make any extensions nor will the United Railroads make any extensions of their own volition under existing Charter conditions. Many extensions are at present desirable but without suitable connections or transfer arrangement with both the Municipal Railway and the United Railroads system would be of little real benefit. The more carefully the situation is studied the more urgent appears the necessity for the unification of control of all the existing railroad lines, and until this has been accomplished San Francisco will have to put up with a more or less inadequate transportation system. This office at the present time is studying the problem and expects to make a report shortly outlining a logical program for future extensions of the existing Municipal Railway System, but at the best the construction of these extensions will fall short of solving the transportation question in San Francisco, for the solution of this problem requires consideration on broader lines.

The time is fast approaching when a rapid transit system must be considered. This would be either of subway or elevated type, preferably the latter, at this stage of our development, the comparative costs being about $800,000 a mile for the elevated as against $3,500,000 a mile for the subway construction. The first link in a rapid transit system naturally should parallel Market Street connecting with the Twin Peaks Tunnel and with a branch extending south through the Mission in the vicinity of Capp Street.

STATEMENT OF 1910 GEARY AND MARKET STREETS BOND FUNDS.

EXPENDITURES.

Prior to July 1, 1915		$1,948,602.05
From July 1, 1915, to July 1, 1916:		
Ferry outer loop on Embarcadero, Lower Market Street	$ 2,058.50	
Car Barn Extension, Geary Street Railway Tank and Tower Foundation	645.20	
Carn Barn, Second Story, Geary Street Railway	29,170.57	
Carn Barn—Construction Tank and Tower	1,482.00	
Carn Barn Construction—Completing Heating System	341.14	
Extra Parts and Equipment	423.93	
Plans and specifications	306.35	
Total during last fiscal year		$ 34,427.69
Total to date		$1,983,029.74
Available for future expenditures		43,282.16
Total sale of bonds, miscellaneous sources and unsold bonds		$2,026,311.90

STATEMENT OF 1913 RAILWAY BOND FUND.

EXPENDITURES.

Prior to July 1, 1915		$3,122,731.82
From July 1, 1915, to July 1, 1916:		
Auto Truck and Tower for Trolley Repair	$ 2,165.00	
Bending Rails, Church St. Railway	791.27	
Church St. Railway, 18th to 22nd St.	93,371.79	
Concrete Trolley Poles Reinforced, for Church Street Railway	6,404.41	
Concrete Trolley Poles, Division St., Potrero to Bryant St.	238.00	
Copper Rail Bonds, Church St. Railway	2,975.10	
Electrical Conductors, Church St. Railway	5,353.31	
Header Blocks	135.37	
Incidentals other than extras	119.89	
Inspection of Railways—Church Street Extension	8,095.34	
Inspection of Railways—Construction and Extension	1,008.90	
Lands—Supervisors' Expenditures	263.04	
Machine Shop Equipment, Pipe Yard	1,325.39	
Plans and Specifications Church Street Railway	3,370.66	
Plans and Specifications for Municipal Railways	10,777.09	
Church St. Railway—Condemnation of Rights of Way	956.90	
Church St. Railway—Drilling Test Holes in Private Rights of Way	199.00	
Division St., Bryant to 10th Sts., Re-arrangement Fire Dept. Stables	8,738.54	
Hydrants, Church St. Right of Way, 18th to 22nd Sts.	200.00	
Lockers in Car Barns, 17th St. and Geary St.	2,820.00	
Rails, Joints, Fastenings and Spikes, Account No. 2, Church St. Railway	38,323.67	
Unloading and Storing Railway Material	2,104.81	
Sand Bins in Car Barns, Steel	1,760.00	
Tie Plates, Church St. Railway	1,539.75	
Track Special Work	4,264.00	
Work for Municipal Railway	6,706.64	
Ties, Redwood, Church St. Railway	4,889.60	
Church St. Railway, 16th to 18th and 22nd to 30th Sts.	56,734.03	
Car Bodies	21,750.00	
Carn Barn, 2nd Story, Geary St. Railway	243.00	
Total during last fiscal year		$ 287,824.50
Amount available for further contracts		148,683.48
Total receipts for sale of bonds and miscellaneous sources		$3,569,039.80

STREET PAVEMENTS.

With the marvelous increase in the yearly output of motor-driven vehicles, from the light touring car to the extra heavy auto truck, capable of transporting extraordinary loads, there has grown a constant demand for more and better street construction, to be able to withstand this new and more severe type of traffic. Highway Engineering has therefore grown to be one of the most important branches of Municipal Engineering. The passage of workable highway laws, like the Street Improvement Act of 1911, amended in 1915, as recommended by the City Engineer, makes possible the construction of a large number of street pavements that were practically impossible under the old street improvement acts, on account of the prohibitive method of assessment. The remarkable increase in the number of street assessment contracts over previous years, is due in a large measure to this very moderate plan of assessment, under the new law, the payments of which can run from 1 to 10 years, thus putting an otherwise prohibitive street improvement within the reach of the property owners of small means.

Between July 1, 1915, and June 30, 1916, more pavements were constructed under public assessment than in any other single year in the City's history. This year has also been conspicuous for the introduction of modern creosoted wood block pavement and the replacement of the obsolete cobblestone pavement by modern first class vitrified brick surfaces. Rough kiln marked type vitrified brick has been used extensively on steep grades. The practical elimination of the waterbound macadam has also been accomplished. This past year has also seen the construction of the first concrete pavement built under City supervision. It is hardly possible, however, that with the present remarkably low price of asphalt pavement, namely, $1.35 per square yard, that this type will ever be extensively used here, except in outlying districts.

Granite curb is gradually being displaced by armored concrete curbs, at a reduction in cost of about 50 per cent, and a distinctive gain in the matter of appearance.

With the advent of the creosoted wood block pavement, and the already increasing quantity of vitrified brick pavement, practically all of the most modern types of pavement are now in use in San Francisco, each in the location to which it is best adapted.

The pavement diagram which follows shows graphically the increase in quantity and popularity of the sheet asphalt type of pavement. The suitability and low cost of construction is the reason for the remarkable increase. Specifications for all types of pavements constructed here insure street surfaces that compare favorably with those of the other large American cities, and in the case of the asphalt, the pavements constructed with this material here are unsurpassed by the same type of surface anywhere in the United States.

Table No. 2 gives a summary of the cost and quantity of street improvements constructed during the fiscal year under the supervision of the City Engineer.

Considerable improvement has been made during the year in the method of handling the office work in regard to street improvements, all the forms being standardized and filed under a specially designed card system, the greatest improvement in this line being made in the matter of keeping cost data on street improvements. Instead of the cumbersome book form, special cards have been made whereon all this data is entered. The new cost sheets give the segregated costs for different thickness of surface, binder course and base.

The appended photographs show some of the standard types of pavement actually constructed in the City, with a brief explanation regarding their important features of construction.

Type of Pavement, Vitrified Brick (rough kiln marked) and Asphalt.

Location of Improvement, Eighth Avenue between Lawton Street and Moraga Street.

Length of Block, 600 ft.

Width of Street, 70 ft.

Width of Roadway, 40 ft.

Width of Side Strip, 20 ft.

Width of Center Strip, 20 ft.

Date of Acceptance, March 2, 1914.

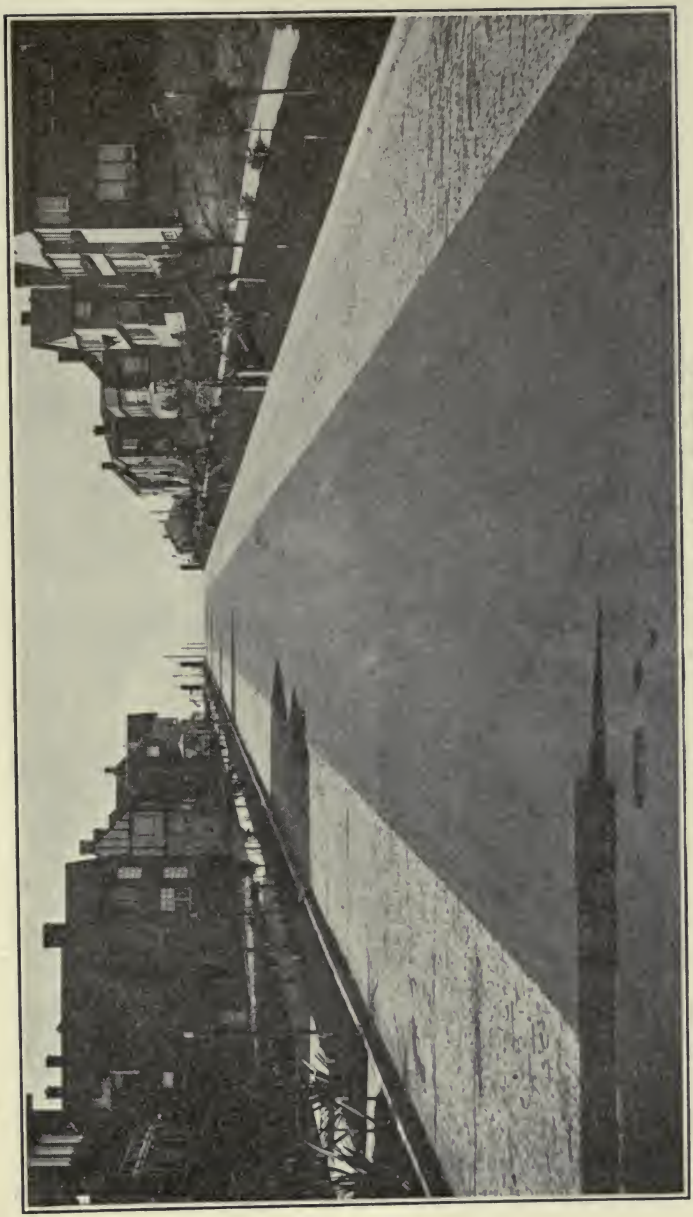
CONSTRUCTION DATA.

Side Strip—

Kind of Base, Cement Conc.	Thickness, 6 in.	Proportions, 1:2½:7
" " Cushion, Sand	" 1½ in.	
" " Filler, Cement		
" " Surface, Vit. Brick		

Central Strip—

Kind of Base, Cement Conc.	Thickness, 6 in.	Proportions, 1:2½:7
" " Surface, Bit. Rock	" 2 in.	



Eighth Avenue between Lawton and Moraga Streets.

Type of Pavement, Creosoted Wood Block.
Location of Improvement, Battery Street between Bush and Pine Streets.
Length of Block, 275 ft.
Width of Street, 68 ft. 2¾ in.
Width of Roadway, 40 ft. 4¾ in. Date of Acceptance, Previously Accepted.

CONSTRUCTION DATA.

Kind of Base,	Cement Conc.	Thickness,	6 in.
" "	Cushion, Sand	"	½ in.
" "	Filler, Tenex Asphalt	"	
" "	Surface, Asph. & Pea Gravel	"	¼ in.

Battery Street between Bush and Pine Streets.

Type of Pavement, Vitrified Brick.
Location of Improvement, Pierce Street from Jackson to Pacific Street.
Length of Block, 275 ft. Width of Side Strip, none.
Width of Street, 68 ft. 9 in. Width of Center Strip, none.
Width of Roadway, 38 ft. 9 in. Date of Acceptance, January 22, 1914.

CONSTRUCTION DATA.

Kind of Base, Cement Conc.	Thickness, 6 in.	Proportions,	1:2½:7
" " Cushion, Sand	" 1½ in.	"	.....
" " Filler, Cement	"	"	1:1½
" " Surface, Brick	" 4 in.	"	.....

Pierce Street from Jackson and Pacific Streets.

Type of Pavement, Sheet Asphalt and Basalt Block Gutters.

Location of Improvement, Geary Street between Stockton and Powell Streets.

Length of Block, 412 ft. 6 in.

Width of Side Strip, 11 ft. 7 in. and 17 ft. 4½ in.

Width of Street, 68 ft. 11½ in.

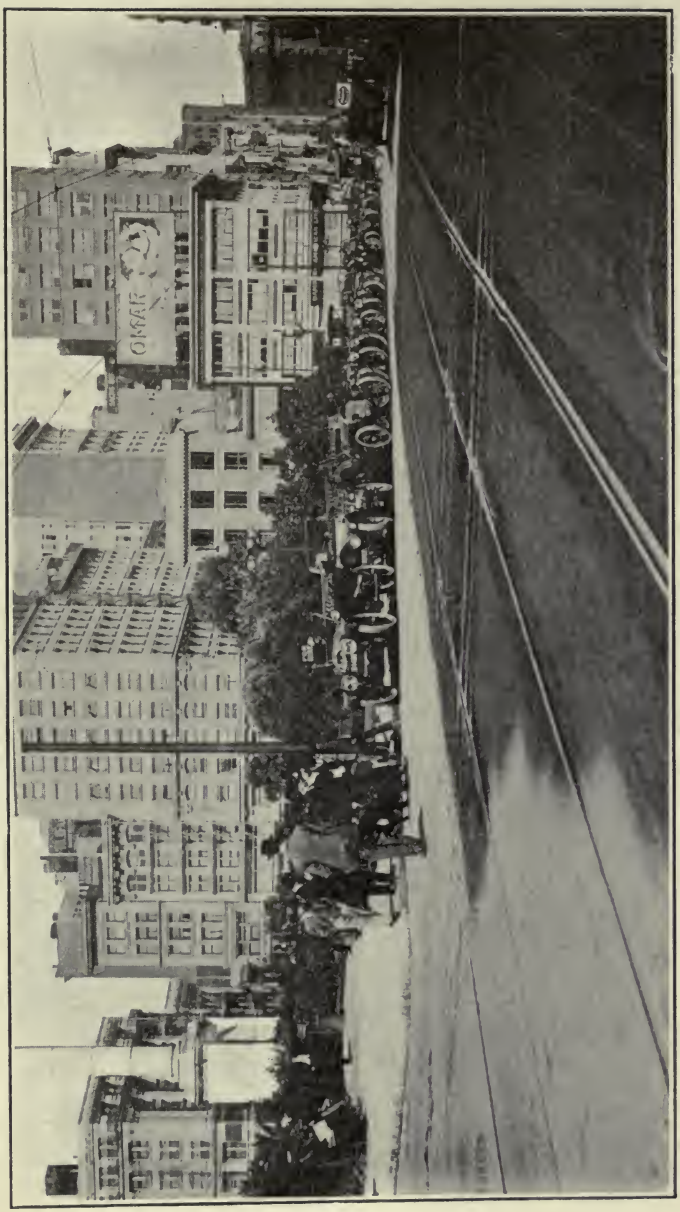
Width of Center Strip, Double Electric Track 16 ft.

Width of Roadway, 44 ft. 11½ in.

Date of Acceptance, Previously Accepted.

CONSTRUCTION DATA.

Kind of Base, Cement Conc.	Thickness, 6 in.	Proportions, 1:3:7
" " Cushion, None	"	
" " Filler, None	"	
" " Surface, Asphalt, Top	" 1½ in.	
Binder	" 2 in.	



Geary Street between Stockton and Powell Streets.

Type of Pavement, Asphalt and Basalt Block.
Location of Improvement, Thirty-sixth Avenue—Geary Street to Clement Street.
Length of Block, 600 ft. Width of Side Strip, 13 ft.
Width of Street, 70 ft. Width of Center Strip, 14 ft.
Width of Roadway, 40 ft. Date of Acceptance, March 6, 1914.

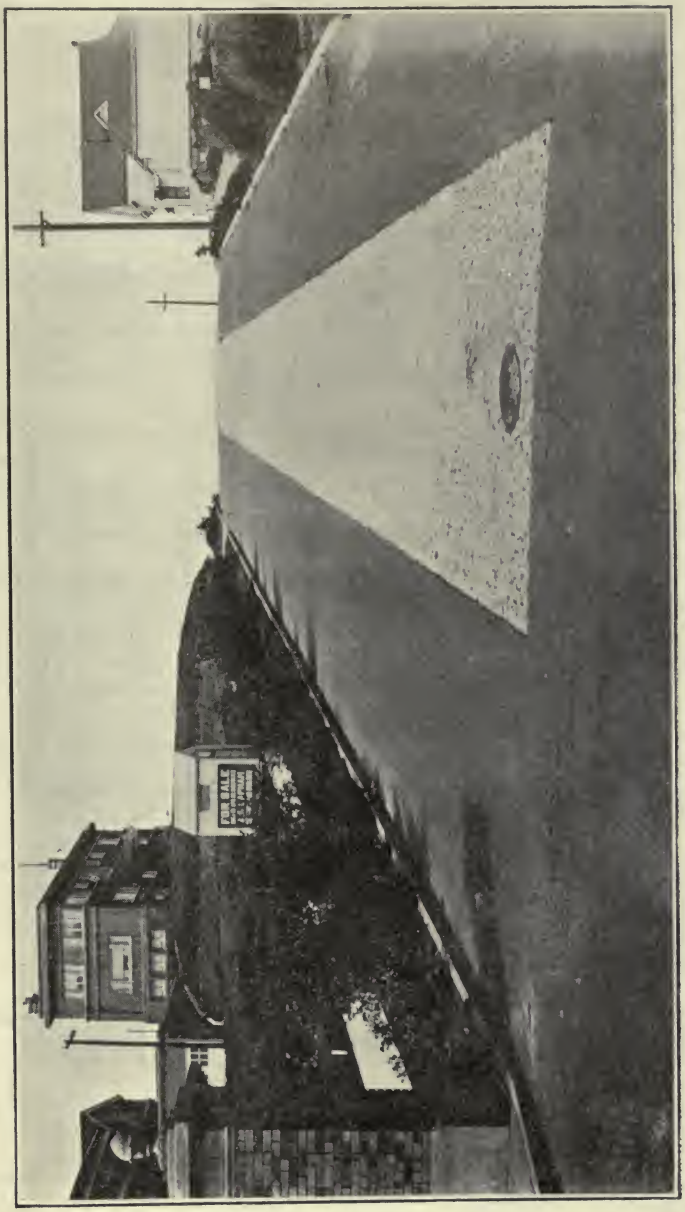
CONSTRUCTION DATA.

Central Strip—

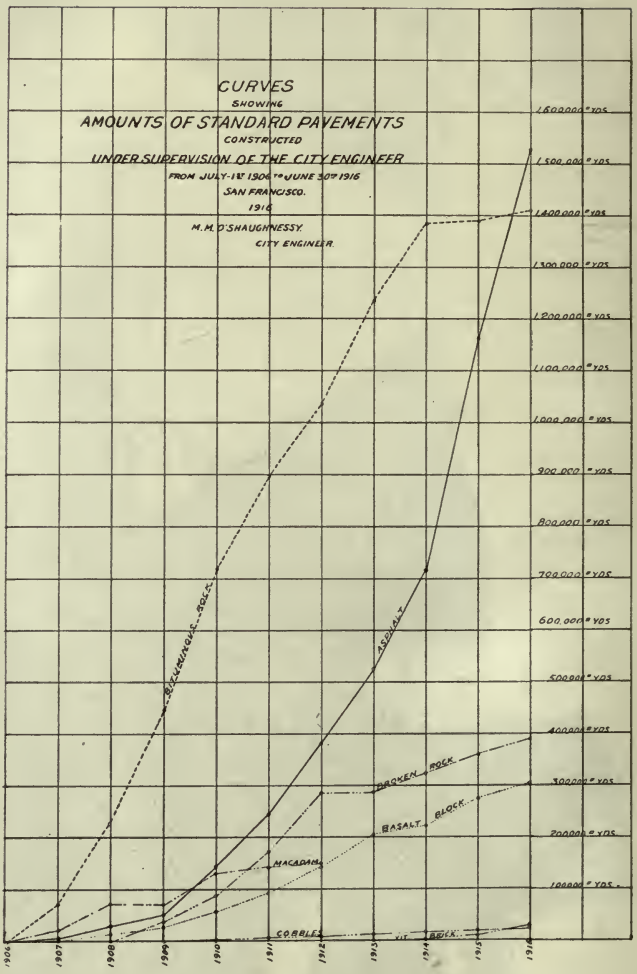
Kind of Base, Natural Soil Rolled Thickness,
" " Cushion, Sand " 5 in.
" " Filler, Gravel and Coal Tar Cement
" " Surface, Basalt " 7 in. to 7½ in.

Side Strip—

Kind of Base, Cement Conc. Thickness, 6 in. Proportions, 1:2½:7
" " Surface, Asphalt " 2 in.
Also Full Width for 400 ft.



Thirty-sixth Avenue—Geary Street to Clement Street.


CURVES
SHOWING
AMOUNTS OF STANDARD PAVEMENTS
CONSTRUCTED
UNDER SUPERVISION OF THE CITY ENGINEER
FROM JULY 1ST 1906 TO JUNE 30TH 1916
SAN FRANCISCO.
1916
M. M. O'SHAUGHNESSY.
CITY ENGINEER.
1,600,000 SQ YDS.
1,500,000 SQ YDS.
1,400,000 SQ YDS.
1,300,000 SQ YDS.
1,200,000 SQ YDS.
1,100,000 SQ YDS.
1,000,000 SQ YDS.
900,000 SQ YDS.
800,000 SQ YDS.
700,000 SQ YDS.
600,000 SQ YDS.
500,000 SQ YDS.
400,000 SQ YDS.
300,000 SQ YDS.
200,000 SQ YDS.
100,000 SQ YDS.
BITULITHIC - CONCRETE
ASPHALT
BROKEN ROCK
BASALT BLOCK
MACADAM
COBBLES
CUT ROCK
1906
1907
1908
1909
1910
1911
1912
1913
1914
1915
1916

AMOUNT AND COST OF STREET WORK—PRIVATE.

FISCAL YEAR ENDING JUNE 30, 1916.

	Quantity	Cost
Asphalt (6" Concrete Base)—	Sq. Yds.	
W. S. 1½" Binder 2"	332.55	$ 1,196.89
W. S. 2"	140,627.42	306,108.06
W. S. 2½"	765.33	1,653.26
W. S. 1" Binder 1½"	1,416.66	3,187.50
Bituminous Rock (6" Concrete Base)—		
W. S. 2"	20,974.70	$ 44,965.75
Basalt Block (on Sand)—		
Gravel and Asphalt Filler	1,106.34	$ 3,186.27
Gravel Filler	1,144.11	3,693.77
Vitrified Brick—		
Kiln Marked or Hillside	3,402.61	10,338.16
Asphalt with Basalt Block Strip—		
Asphalt W. S. 2"	21,459.55	45,407.72
B. B. with Gravel Filler	9,062.34	29,777.49
Bituminous Rock with Basalt Block Strip—		
Bitumen W. S. 2"	544.44	1,225.00
Basalt Block Gravel Filler	272.22	1,102.50
Asphalt with Vitrified Brick Strip—		
Asphalt W. S. 2"	16,564.40	34,853.39
Brick, Kiln Marked or Hillside	8,258.30	28,494.54
Bituminous Rock with Vitrified Rock Strip—		
Broken Rock	20,823.95	15,498.48
Cobbles	1,404.88	3,160.98
Broken Rock Walks	2,995.55	2,250.68
Curbs—		
Granite, New	24,157.35	30,284.11
Granite, Reset	314.39	62.49
Granite, Redressed and Reset	94.40	18.88
Concrete	75,427.40	59,821.20
Redwood	6,611.14	2,717.09
Gutters—		
Basalt Blocks	302.50	2,158.03
Concrete	116.95	526.30
Walks—		
Artificial Stone	8,420.67	10,080.04
Grading—	Cu. Yds.	
Cut	86,248.82	50,024.32
Fill	65,273.20	16,318.30

AMOUNT AND COST OF STREET WORK—PRIVATE—Continued.

	Quantity Lineal Ft. and No.	Cost
I. S. P., 6″ Diameter—		
Side Sewer	1,515.29	$ 1,464.35
I. S. P., 8″ Diameter—		
Pipe	12,501.07	26,555.82
Y Branches	720	817.45
I. S. P., 12″ Diameter—		
Pipe	12,922.37	22,871.44
Y Branches	449	546.50
I. S. P., 15″ Diameter—		
Pipe	3,490	7,586.26
Y Branches	143	218.50
I. S. P., 18″ Diameter —		
Pipe	5,843.52	16,630.92
Y Branches	668	1,631.00
I. S. P., 21″ Diameter—		
Pipe	240	720.00
Y Branches	8	32.00
Manholes—		
New	145	11,039.50
Catch Basins—		
New	168	10,526.00
Reset	12	500.12
Storm Water Inlet	2	60.00
I. S. P. 10″ Diameter—		
Culvert	4,940.72	7,109.00

AMOUNT AND COST OF STREET WORK—PUBLIC.

FISCAL YEAR ENDING JUNE 30, 1916.

	Quantity	Cost
Asphalt (6" Concrete Base)—	Sq. Yds.	
W. S. 2"	111,618.87	$199,027.12
W. S. 1" Binder 1½"	4,079.24	5,874.11
Basalt Block (on Sand)—		
Gravel Filler	878.71	3,404.39
Basalt Block (6" Concrete Base)—		
Gravel and Asphalt Filler	1,033	3,718.40
Vitrified Brick—		
Kiln Marked or Hillside	273.84	649.56
Asphalt with Basalt Block Strip—		
Asphalt W. S. 2"	14,186.16	27,417.13
B. B. with Gravel Filler	4,020.33	14,794.32
Asphalt with Vitrified Brick Strip—		
Asphalt W. S. 2"	15,988.50	28,705.26
Brick, Kiln Marked or Hillside	5,732.00	20,012.43
Bituminous Rock with Vitrified Brick Strip—		
Broken Rock	8,348.90	7,193.83
Cobbles	637.26	1,433.84
Broken Rock Walks	1,135	871.80
Curbs—		
Granite, New	20,921.01	24,210.22
Granite, Reset	396.17	247.58
Granite, Redressed and Reset	112.33	2.25
Concrete	38,162.70	26,644.00
Redwood	977.50	264.50
Gutters—		
Basalt Blocks	362.53	1,607.72
Artificial Stone Walks	24,001.94	30,786.17
Grading—	Cu. Yds.	
Cut	131,835.92	76,707.56
Fill	43,849.47	16,258.76
I. S. P. 6" Diameter—	Lineal Ft. and No.	
Side Sewer	4,646	3,794.50
I. S. P. 8" Diameter		
Pipe	12,804	23,144.06
Y Branches	886	844.95
I. S. P. 12" Diameter—		
Pipe	6,700.89	14,363.16
Y Branches	322	332.75

AMOUNT AND COST OF STREET WORK—PUBLIC—Continued.

	Quantity Lineal Ft. and No.	Cost
I. S. P. 15" Diameter—		
Pipe	2,705.96	$ 4,454.35
Y Branches	101	143.31
I. S. P. 18" Diameter—		
Pipe	1,604.58	3,122.96
Y Branches	192	390.10
Manholes—		
New	134	14,726.00
Catch Basins—		
New	228	14,019.50
Reset	1	40.00
I. S. P. 10" Diameter—		
Culvert	7,269.88	7,189.79

AMOUNT AND COST OF STREET WORK—CITY PAY.

FISCAL YEAR ENDING JUNE 30, 1916.

	Quantity	Cost
Asphalt (6" Concrete Base)—	Sq. Yds.	
W. S. 2"	17,578	25,043.31
W. S. 1" Binder 1½"	32,569.14	45,462.83
Basalt Block (6" Concrete Base)—		
Gravel Filler	589.11	1,802.68
Vitrified Brick—		
Kiln Marked or Hillside	169.11	553.73
Asphalt with Vitrified Brick Strip—		
Asphalt W. S. 2"	4,337.03	6,604.11
Brick, Kiln Marked or Hillside	992.14	3,035.09
Bituminous Rock with Vitrified Brick Strip—		
Cobbles	352.34	443.96
Curbs—		
Granite, New	7,084	5,883.43
Granite, Reset	696	93.50
Granite, Redressed and Reset	1,247	120.09
Concrete	4,480.18	1,681.59
Gutters—		
Basalt Blocks	42.80	188.76
Artificial Stone Walks	15,371.03	13,512.19
Grading—	Cu. Yds.	
Cut	15,053.39	17,534.81
I. S. P. 6" Diameter—	Lineal Ft. and No.	
Side Sewer	158	126.40
I. S. P. 8" Diameter—		
Pipe	50	75.00
I. S. P. 12" Diameter—		
Pipe	510	861.00
I. S. P. 18" Diameter—		
Pipe	271	496.00
Y Branches	3	3.00
Manholes—		
New	7	585.00
Catch Basins—		
New	16	649.20
I. S. P. 10" Diameter—		
Culvert	1,571	1,302.49

TWIN PEAKS TUNNEL.

The general engineering features of Twin Peaks Tunnel were described in the report of the City Engineer for the fiscal year 1913-1914. The project has been advanced efficiently and economically and all of the serious construction problems encountered so far have been solved satisfactorily.

The close of the fiscal year 1914-1915 found the contractor at Station 8+10, some two hundred feet underground at the west end; with 25% of Laguna Honda Station excavated; the vent shaft in the Relief Home Tract fairly well started and the subway section completed on the easterly end. Practically 4,300 feet of completed tunnel has been constructed during the 1915-1916 fiscal year.

An obstruction, presenting some difficulty and successfully handled, occurred about 1800 feet from the west portal. A brick lined water duct of the Spring Valley Water Company constructed in 1865 crossed at a sharp angle 8 feet above the tunnel arch. It was conveyed by means of a by-pass over the completed tunnel. A shaft was sunk, the water duct tapped by a 30" pipe, which ran west 275 ft. in a drift previously driven, crossed the tunnel at right angles and connected with the original duct again. Later the water was permitted to follow the original course. The entire section of tunnel between the west portal and the Laguna Honda Station has been completed.

Excavation for Laguna Honda Station and 22 ft. of tunnel section on each end was done in open cut, the maximum depth being 70 ft. Steam shovels carried the cut to within 15 ft. of rail grade, the sides of the pit being retained by piles. Trenches were then dug by hand for the side walls and footings of the station, after which the concreting was done and then the core of earth was removed. The waste material, a sandy clay, hauled an average distance of 1/3 mile in motor trucks, was used in filling low portions of the valley in which the station is built. Station is completed except the superstructure.

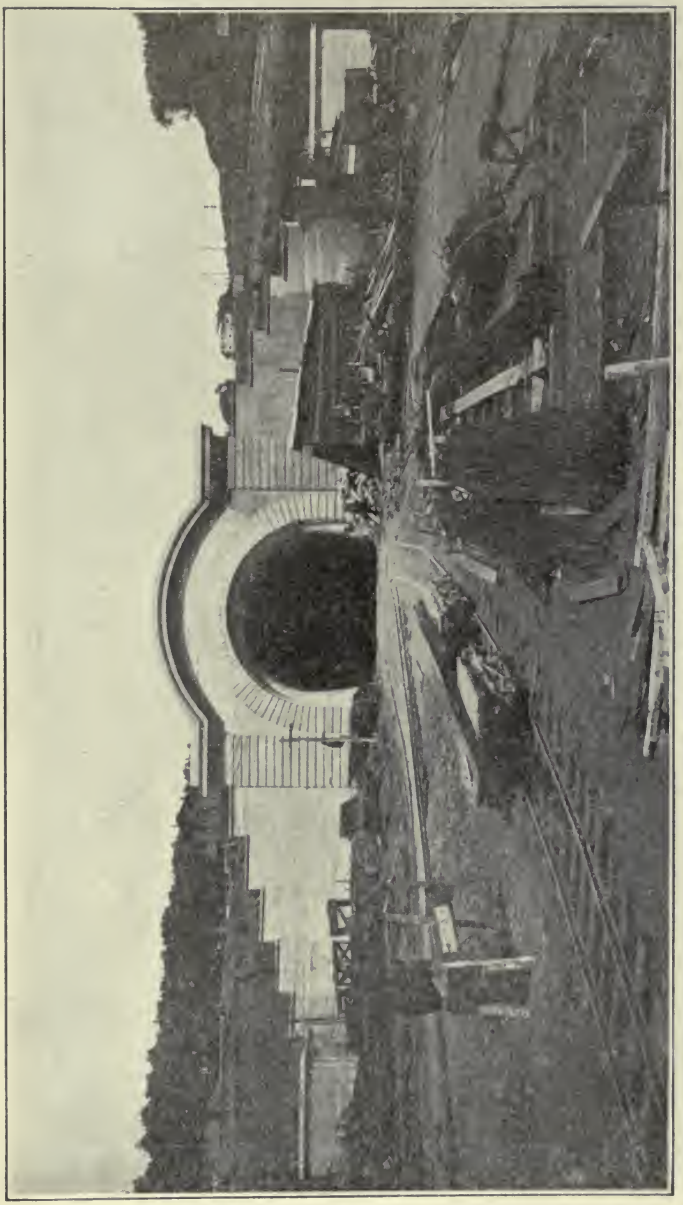
Because of an ascending grade, excavation between the vent shaft and the Laguna Honda Station was started from the former. The shaft when completed will have an inside diameter of 13 ft. but the excavation was made 20 x 32 ft. so as to take in full width of tunnel section and to permit of construction of forms for concreting. From the bottom of this shaft, 100 ft. deep through water bearing sand and timbered with piles held by 12 x 12 bracing and walings hung with steel hangers, a drift was carried 300 ft. westerly at invert grade through sandstone, when it broke through the sandstone into a waterbearing sand, causing 300,000 gallons per day to be lifted out at the shaft. Another drift was then started and kept in the sandstone until after the sand deposit was passed, when the second drift was brought up to line with the first one. Easterly from Laguna Honda tunneling has been projected over 414 ft. on the descending grade toward the vent shaft, the drift previously driven draining the ground penetrated. Concreting follows within free working distance of the finished timber lining.

Excavation for that section between the east portal and a point 500 ft. southwesterly therefrom, was done between two rows of piles and heavy timbering with the necessary cross braces. This ground was a filled in creek bed and the 30,000 cu. yds. of excavation was removed by pick and shovel. This portion of the tunnel has been constructed and the backfilling finished.

Adjacent to the section just described or at Station 97 + 15, the tunneling proper on the east end was started and was driven westerly to Station 87 + 63, leaving to be completed those portions between Station 46 + 57 and 87 + 63 and between Station 46 + 37 and 39 + 00 or 4,843 lineal feet, together with the superstructure of Laguna Honda Station.

In the light of the progress made during the past fiscal year when so many adverse conditions were encountered, and the fact that the greatest portion of the work remaining to be done is in rock, there is not any apparent reason to question the forecast that April, 1917, will see the east and west facings meet and the tunnel completed.

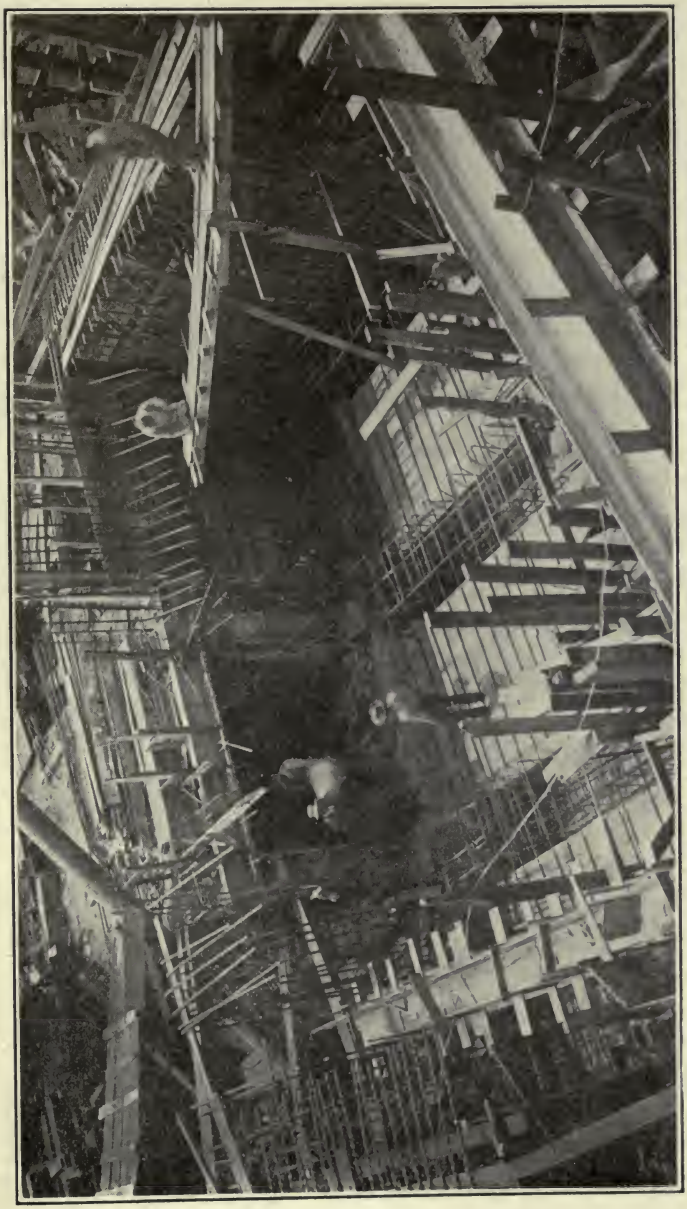
R. C. Storrie & Company, to whom this contract was awarded, for the estimated sum of $3,372,000, have performed work the estimated value of which to date is $2,168,539.38.



West Portal, Twin Peaks Tunnel.

TABLE 1—ALIGNMENT, GRADES AND SUBDIVISIONS

		Grade		Distance on		Curve	
		Ascend	Descend	Tangent	Curve	To	Radius
West Approach	0-00 to 0-83	.015		83.000			
Tunnel Section	0-83 to 17-27.26	.015		1,644.260			
	17-27.26 to 30-31.44	.015			1304.183	Right	5,729.65
	30-31.44 to 30-73	.015		41.557			
Laguna Honda Sta.	30-73 to 33-73	.015		300.000			
	33-73 to 34-30.10		.03	57.103			
	34-30.10 to 36-60.10		.03		230.003	Right	5,729.65
	36-60.10 to 47-13.00		.03	1,052.894			
Ventilating Sta.	47-13 to 47-26.00		.03	13.000			
Tunnel Section	47-26 to 98-64.00		.03	5,138.000			
Taper Connection	98-64 to 100-44.00		.03	180.000			
29′ 6″ Tunnel Sect.	100-44 to 100-74.00		.03	30.000			
	100-74 to 103-76.81		.0287	302.816			
	103-76.81 to 104-96.23		.0287		119.420	Right	1,555.49
	104-96.23 to 108-52.73		.0287		356.500	Right	1,017.95
	108-52.73 to 109-72.15		.0287		119.420	Right	1,555.49
	109-72.15 to 111-45.76		.0287	173.610			
Eureka Valley Sta.	111-45.76 to 114-45.76		.0140	300.000			
Subway Section	114-45.76 to 114-85.61		.0140	39.850			
	114-85.61 to 117-33.56		.0140		247.950	Left	861.37
	117-33.56 to 117-38.76		.0140	5.200			
East Approach	117-38.76 to 119-25.76	.0424		187.000			
				9,548.290	2377.476		



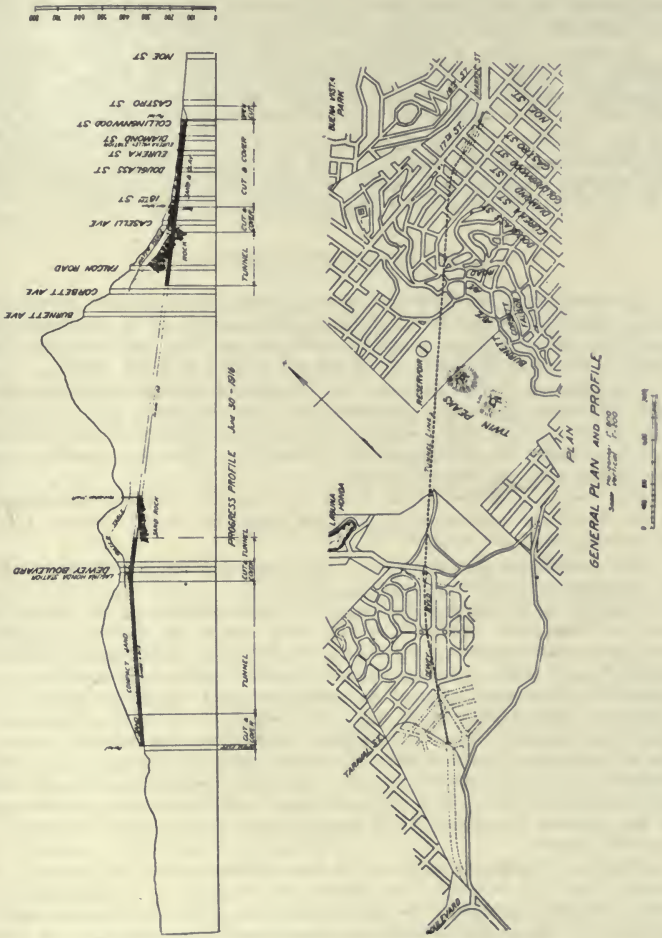
Constructing Laguna Honda Underground Station. The floor will be 62 feet below the ground surface.

Table II sets forth the progress made on these subdivisions during each of the two fiscal years just passed, and the work still to be performed. The profile pictures this progress:—

TABLE 11—ANNUAL PROGRESS.

Subdivision	Method	Station From	Station To	Lineal Feet — Completed Prior to June 1915	Lineal Feet — Completed June 30, 1915, to June 30, 1916	Lineal Feet — To be Compl.	Lineal Feet — Grand Total
West Approach	Open Cut	0+00	0+83	83			83
" Portal	"	100% completed					
Tunnel Section	Cut and cover	0+83	5+61	478			478
" "	In tunnel	5+61	8+10	249			249
	"	8+10	30+61		2251		2251
	Cut and cover	30+83	30+61		22		22
Laguna Honda		25%		*75			75
" " Sta.	"	55%			*165		165
" " "		20%				*62	62
Tunnel Section	Cut and cover	33+85	34+07		22		22
" "	In tunnel	34+07	39+00		493		493
" "	"	39+00	46+37			737	737
Vent Shaft	Cut and cover	10%		*2			2
"	"	90%			*18		18
Tunnel Section	In tunnel	87+63	46+57			4106	4106
" "	"	97+15	87+63		952		952
" "	Cut and cover	98+65	97+15		150		150
Taper Connect.	"	100+45	98+65		180		180
29′ 6″	"	100+75	100+45		30		30
18th Street Vent. Shaft		100% completed					
Subway Section	Cut and cover	111+46	100+75	1071			1071
Eureka Valley Station	"	114+46	111+46	300			300
Subway Section	"	117+38	114+46	292			292
East Portal	Open cut	100% completed					
East Approach	"	119+25	117+38	187			187
Totals				2737	4283	4905	11,925

* Equivalent in feet.


NOE ST
CASTRO ST
COLLINGWOOD ST
DIAMOND ST
CLIPPER ST
DOUGLASS ST
CASELLI AVE
18TH ST
FALCON ROAD
CORBETT AVE
BURNETT AVE
PROGRESS PROFILE Jan 30 - 1918
CUT & COVER
TUNNEL
CUT & COVER
LABURNUM STATION
DELVEY BOULEVARD
COUNTY ROAD
PLAN
TWIN PEAKS
MIDDLE POINT
PORTOLA
MISSION
MARKET
GENERAL PLAN AND PROFILE

BRIDGES.

THIRD STREET BRIDGE.

The earthquake shock of 1906 disturbed the south abutment of the Third Street Bridge and since that time there has been a gradual movement of the south abutment with its superimposed south leaf, toward the north.

In April of 1915, a contract was let for altering this bridge and a pile bulkhead was driven in the south approach. Recently the bridge bound again in the middle at the junction of the two leaves and further alterations were made which will permit of cutting the juncture plates from time to time until 12 in. have been removed. In view of the fact that 17 in. is the total recorded distance the abutment has shifted since 1907, and the various alterations have replaced worn members, there is every reason to believe that, with the occasional cutting of the juncture plates, the bridge should stand considerable service.

FOURTH STREET BRIDGE.

The construction of a Strauss Bascule Bridge across Channel Street Waterway at Fourth Street, has been in progress since August, 1915. Six weeks' delay in starting was occasioned by repair work on the Third Street Bridge, which prevented closing of operation of the old drawbridge at Fourt Street.

The Thomson Bridge Company has the general contract to furnish all material and install the bridge and approaches. Sub-contracts for the fabrication of the structural steel and making and installation of the machinery have been let to the Ralston Iron Works and the Joshua Henry Machine Company, respectively, by the Thomson Bridge Company.

The first work started at the bridge site was the wrecking and removal of the old drawbridge superstructure and the precasting of the concrete piles for the deck approach foundations.

Pile foundations and concrete for the seawalls at the extreme shore ends of the approaches were then placed.

Progress of the construction depended on the placing of the cylinders that form the bridge seats which are on the north side of the channel. Before this work could be started the channel had to be cleared by removing the pile foundation of the old bridge, the piles of the protection work of the drawbridge, and innumerable old snags of piles of old construction that had broken off and rotted. A clamshell dredger was used to clear the channel up and down stream from the center cluster forming the old drawbridge foundation. In order to remove the piles of the cluster to a point below the official channel bottom level, blasting was resorted to and, to be effective, a steel cage guide was used to keep the powder near enough to the pile. This work occasioned considerable delay, as the caissons for the cylinders are placed by a floating driver which had to operate at the obstructed points.

Work of placing the caissons for the cylinders started in January. Two caissons forty feet in length were driven and excavated to a level close to the point proposed for starting the pile foundations. The foundation material of sand and clay was unable to resist the water pressure from outside of the caissons and they "blew in", filling with water. Both caissons were then lengthened, reset and driven, but the same trouble was experienced as before, with the addition that one caisson partially collapsed.

The other caisson was further lengthened and heavily reinforced and successively used in placing the ten cylinders on the north side. These cylinders have a ten foot diameter concrete base ten feet high, resting on twelve piles driven to a firm bearing, the cylinder then extending up to the bridge seat as a 4 foot

diameter reinforced concrete shaft. Four cylinders are tied together with a five foot reinforced concrete slab to form the seat of each trunnion bearing.

Unusual rainy weather during January and February was the cause of great delay in placing the cylinder.

At the present time the work completed for the north side has been the placing of foundations for trunnion towers, deck approaches and seawall; the placing of most of the forms and reinforcing steel for the deck approaches and the trunnion towers and portals for the superstructure.

For the south side the seawall and concrete pile foundations for the deck approach are in place and the pile foundation for one cylinder driven. Only three cylinders are required on the south side, as the bridge, a single leaf bascule, operates from the north side.

In the near future the concrete deck for the north side will be completed, the machinery will be installed and the structural steel superstructure started. Work on the south approach will be carried on simultaneously with that of the superstructure and both should be finished shortly.

SEWER SYSTEM.

Work on the main sewers during the past year was confined to the completion of the Mile Rock Tunnel and the Bakers Beach Outlet Sewer and the construction of sewers in South Bay View Districts, Oakdale Avenue, San Bruno Avenue to Selby Street and Sloat Boulevard, 24th to 31st Avenue, $100,000 for the construction of the last three having been provided for in the last budget.

In the Islais Creek District a drainage channel was dug along the proposed route of a large reinforced concrete sewer, to reduce to a minimum the danger of floods from the winter rains, similar to those which have occurred in the past, until such time as local developments in the vicinity demand the construction of the main sewer.

MILE ROCK SEWER.

The last 30% of the Mile Rock Tunnel was completed, thereby providing an outlet for the storm waters of the western drainage area which includes the Ingleside, Sunset and Richmond Districts. This construction was done by the cut and cover method, as follows:—

The closing section, known as Section 1, was constructed in open cut located with center line 7½ ft. west of center line of 48th Avenue and beginning at south property line of Cabrillo Street and extending north 536 ft. The flow in entire construction is from south to north on a uniform grade of .1605 to 100 ft. Inside dimensions of sewer section were 9' x11'. Invert had a width of 11 ft. and difference from spring line of invert to flow line was 18 in. Side walls are 2 ft. high to spring line of arch and arch was constructed on uniform curve to radius of 5½ ft. Side walls were 15 in. thick and reduced gradually to 9½ in. at crown of arch. Invert had minimum thickness of 12 in. at flow line—subgrade being level transversely.

Section No. 1 was reinforced throughout with ½ inch steel bars spaced at 6 inch centers.

The concrete mix was proportioned 1:2½:5½. Niles River gravel was used entirely and sand removed from excavation fulfilled specifications.

The entire excavation of this section was in sand. Depth of excavation at north end of cut was 51 feet from crown of road and at the south end 34 ft. from crown of road. Natural water level at the time of construction was 10 ft. below road surface. Between surface and subgrade two sets of lagging were used, the upper set being 17 ft. in width, the lower set 14 ft. in width. All lagging was 3 in. x 8 in. pine, surfaced on two edges. For rangers 8 in. x 10 in. pine timber was used, and for spreaders 8 in. x 8 in. timber in first set and

8 x 10 used in second set. Spreaders were spaced at 10 foot centers and rangers on 4 foot centers. Considerable difficulty was encountered in preventing said underhead of water from boiling up in the bottom of excavation. This was overcome by driving second set of lagging about 4 ft. below subgrade and covering bottom of excavation to subgrade with gravel; plugging all joints in lagging with oakum in second set of lagging was necessary.

A 10 in. underdrain was used but proved to be too small to handle ground water which was carried to two sumps, one located at 48th Avenue and Balboa Street, the other at 48th Avenue and Cabrillo Street. At the 48th Avenue and Balboa Street sump one 3 in. and one 4 in. centrifugal pump were used; at 48th Avenue and Cabrillo Street sump one 6 in. and one 4 in. centrifugal pump were used. These pumped about 1,250,000 gallons of water per 24 hours, of which 407,000 gallons per day for 35 days were discharged into the completed sewer at Cabrillo Street and handled by City pumping station at 48th Avenue and Fulton Street.

All lagging, spreaders and bracers were removed by derrick and part of the excavation was handled by derrick. This derrick was of turntable type with 40 foot boom. This rig had an excavating capacity of approximately 200 yards per day near the surface but not better than 50 yards in deep cut.

The first 12 ft. of excavation was accomplished by a drag line excavator which removed a trench the entire width of the street and allowed lagging to be started 10 ft. below street grade.

The following tabulation shows the quantities for this section:—

Excavation by drag line	6,307 cu. yds.
Excavation by derrick	12,655 "
Concrete placed—invert	417.3 "
Concrete placed—sides and arch	660.0 "

Timber used to lag cut:

3 x 8 lagging	238.680 ft. B.M.
Rangers and spreaders	119.610 " "
Steel placed in section	31.1 tons

BAKERS BEACH SEWER.

June 30 of last year saw the contractor who had tried various methods of placing the 800 ft. of 18 in. cast iron flexible joint sewer pipe of the Bakers Beach Outfall Sewer, driving a pile trestle along the proposed line of the sewer, laying the pipe thereon, and lowering it as the laying progressed. This work has since been successfully completed at a total cost to the City of $24,534.77.

PROPOSED SEWERS.

STANLEY STREET SEWER, to provide an outlet for the west side of the Ocean View District, will extend from the end of Stanley Street at the Spring Valley Water Company's property line northerly to join the existing sewer west of the Ingleside Terraces.

49TH AVENUE SEWER, from Lincoln way to Noriega Street, will drain into the 48th Avenue Sewer.

SEWER IN UNIVERSITY MOUND DISTRICT, will run in Somerset Street, Wayland to Felton Street and thence along Felton Street.

GLEN PARK SEWER, will connect at Burnside Street with the existing sewer and extend 500 ft. westerly therefrom.

STATEMENT OF 1904 SEWER BOND FUND.

EXPENDITURES.

Prior to July 1, 1915		$1,852,404.96
From July 1, 1915, to July 1. 1916:		
Bakers Beach Outlet Sewer	$18,740.54	
Fulton St., 48th Ave to Great Highway	6,522.32	
5th St., Howard to Brannan St.	67,872.95	
Foerster St., Melrose to 33rd Ave.	2,469.32	
48th Ave. and Fulton St., Sewage Pumping Station (Building)	2,010.31	
48th Ave. and Fulton St., Sewage Pumping Station (Machinery)	531.03	
Islais Creek, Mt. Vernon to Oneida (Sect. "N", North Point Main)	30,180.64	
Total during last fiscal year		128,327.11
Total to date		$1,980,732.07
Amount available for new contracts		34,653.69
Total receipts from sale of bonds and from miscellaneous sources		$2,015,385.76

STATEMENT OF 1908 SEWER BOND FUND.

Prior to July 1, 1915		$4,226,681.62
From July 1, 1915, to July 1, 1916:		
48th Ave. and Fulton St. Sewage Pumping Station (Building)	$ 879.45	
48th Ave. and Fulton St. Sewage Pumping Station (Machinery)	1,258.00	
Mile Rock Tunnel Sewer	110,069.09	
Total during last fiscal year		112,206.54
Total to date		$4,338,888.16
Amount available for new contracts		1,234.97
Total reecipts from sale of bonds and from miscellaneous sources		$4,340,123.13

AUXILIARY WATER SUPPLY SYSTEM FOR FIRE PROTECTION 1908 BOND.

Prior to July 1, 1915	$5,737,014.92
Amount available for future contracts	15,959.47
Total receipts from sale of bonds and miscellaneous sources	$5,752,974.39

CONTRACT

Exclusive of Hetch Hetchy Water

Fiscal

Contract	Contractor	Date Cont. was Awarded
		SEW
Mile Rock Tunnel	Edward Malley	2-11-14
48th Ave. Sewage Pumping Sta., Building	Davis, Rogers Co.	6-3-14
" " " " " Machinery	" " "	6-3-14
Bakers Beach Outlet	R. C. Storrie & Co.	7-24-14
5th St., Howard to Brannan St.	Healy-Tibbitts Co.	6-7-15
Fulton St., 48th Ave. and Great Highway and 46th Ave.	F. Rolandi	9-16-14
Islais Creek, Mt. Vernon to Oneida Ave.	F. Rolandi	9-13-15
Oakdale Avenue	Karl Ehrhart	5-31-16
Sloat Boulevard, 24th to 31st Ave.	Tibbitts-Pacific Const. Co.	6-9-16
South Bay View District	" " " "	12-20-15
El Portal Way	" " " "	8-25-15
Civic Center Sewer	Church & Clark	9-4-14
		TUN
Stockton Street Tunnel	Jacobsen Bade Co.	4-11-13
Twin Peaks Tunnel	R. C. Storrie & Co.	11-2-14
		BRI
Third Street Bridge—Furnishing Material and making Alterations	O. Monson	4-9-15
Third Street Bridge—Pile Bulkhead	Healy-Tibbitts Const. Co.	7-12-15
" " " Alteration of South Leaf	Thomson Bridge Co.	4-19-16
Fourth Street Bridge Construction	" " "	6-25-15
		BOULE
Twin Peaks Blvd., St. Germain Southerly	Eaton & Smith	6-25-15
San Bruno, Vista to Bay Shore	City Street Imp. Co.	6-11-15
" " Arleta to County Line	Fay Improvement Co.	6-25-15
Twin Peaks Blvd., Corbett Ave. to Sly boundary line of Twin Peaks Reservoir Site	F. R. Ritchie	9-20-15
El Camino Del Mar, through John Brickell Tract	John Brickell Co.	
" " " " Lincoln Park to John Brickell Tract	City Street Imp. Co.	
El Camino Del Mar, John Brickell Tract to 200' Ely	" " " "	
Clarendon Ave. and Burnett Ave., Clayton St. to St. Germain Ave., Grading, Paving and Sewering	Flinn & Treacy	5-15-16
Corbett Ave., 24th St. to San Miguel Rancho	D. L. Bienfield	12-29-15
San Bruno Ave., Cortland to Steuben, Grading and Sewering	Federal Const. Co.	12-21-14
Oakdale Ave., between San Bruno and Railroad Aves., Grading	Church & Clark	4-30-15
Portola Drive, Stanford Heights to Junipero Serra Boulevard	R. G. Vaughn	2-26-15

EXPENDITURES.

Supply and Street Improvements.

Year 1915-16.

Date Cont. was Signed	Amount Expended — Prior to July 1, 1915	From July 1, 1915, to July 1, 1916	Total	Date Work was Accepted	Fund
ERS.					
2-28-14	$ 108,548.38	$ 110,069.09	$ 218,617.47	6-9-16	1908 Sew.
6-30-14	(6,620.55	879.45	7,500.00)		1908 "
	(	2,010.31	2,010.31)	12-10-15	1904 "
6-17-14	(10,242.00	1,258.00	11,500.00)		1908 "
	(	531.03	531.03)	12-10-15	1904 "
8-13-14	7,041.33	18,740.54	25,781.87	11-12-15	1904 "
6-22-15	50.00	67,872.95	67,922.95	3-21-16	1904 "
9-29-14	16,661.85	6,522.32	23,184.17	7-14-15	1904 "
9-13-15		30,180.64	30,180.64	2-11-16	1904 "
6-13-16		2,415.09	2,415.09		General
6-20-16					"
1-3-16		28,144.43	28,144.43		"
9-2-15		9,701.10	9,701.10	11-24-15	Special
9-16-14	11,178.53	2,193.03	13,371.56	7-23-15	CH. and Civ. C. 1912
NELS.					
4-26-13	627,507.23	10,777.80	638,285.03	11-19-15	Spec. Assess.
11-2-14	1,145,471.76	1,131,132.56	2,276,604.32		"
DGES.					
4-28-15	4,982.30	7,357.49	12,339.79	9-22-15	General
7-28-15		1,932.00	1,932.00	8-27-15	"
4-29-16		2,487.00	2,487.00		"
7-8-15	5,779.30	45,499.45	51,278.75		"
VARDS.					
7-9-15		30,210.82	30,210.82	6-2-16	General
7-24-15		33,537.15	33,537.15		"
7-14-15		13,083.38	13,083.38	11-5-15	"
10-11-15		46,364.47	46,364.47		Good Roads
	13,673.50	29,326.50	43,000.00		Furn. by P. P. I. E.
		9,967.49	9,967.49		" " "
		2,589.04	2,589.04		" " "
6-7-16					G. R., P. Own's & A. W. S.
1-21-16		22,600.00	22,600.00		Good Roads
1-11-15	15,375.87	29,374.13	44,750.00	6-3-16	" "
5-8-15	12,097.50	12,595.31	24,692.81	3-24-16	General
3-18-15	30,195.98	18,384.15	48,530.13	7-9-15	"

CONTRACT EXPENDI

Exclusive of Hetch Hetchy Water

Fiscal

Contract	Contractor	Date Cont. was Awarded
		MISCEL
Sect. "A", Ocean Beach Esplanade	J. A. Hannah	11-19-15
Hayes St., Steiner to Scott St.	F. Rolandi	8-4-15
Francisco St., Polk to Larkin St.	F. Rolandi	6-11-15
Municipal Water Works Extension	Tibbitts-Pacific Co.	3-24-16
Railroad Ave., Hollister to San Bruno	J. P. Holland	4-28-16
Cumberland St., Sanchez to Noe St.	F. R. Ritchie	6-21-16
Eighteenth and Indiana Sts. Crossing—Steel Stairway	Ralston Iron Works	5-15-16
15th St., Castro to Beaver St., Widening, Moving House at 176 Beaver St.	O. Monson	6-11-15
Islais Creek Channel Dredging Work	†J. P. Holland	2-7-16
	†Healy-Tibbitts Const. Co.	2-2-16
Potrero Ave., 25th to San Bruno Ave., Paving	Eaton & Smith	6-21-16
Relief Home Tract Boiler, No. 1	Scott Company	2-4-16
" " " " No. 4	F. P. Walsh	2-4-16
Central Fire Alarm Station No. 4	General Electric Co.	10-2-14
Paris St., Italy to Amazon, Grading	Eaton & Smith	11-15-15
		RAIL
Work Car Body, No. 29A	Pacific Car & Equip. Co.	7-30-15
*Work Car, Air Brake Equipment, No. 29C		
Work Car, Trucks, No. 29D	J. G. Brill Co.	7-30-15
Work Car, Motor Equipment, No. 29B	Westinghouse Co.	7-30-15
Track Special Work, Church St.	U. S. Steel Products Co.	7-26-15
Ties, Redwood, Church Street Railway	Navarro Lumber Co.	8-20-15
Sand Bins in Car Barns, Steel	Ocean Shore Iron Works	11-26-15
Machine Shop Equipment at Pipe Yard	(Various)	
Lockers, Car Barn, 17th St. and Geary St.	Ralston Iron Works	5-12-15
Division St., Bryant to 10th St., Rearrangement of Fire Department Stables	F. Rolandi	7-12-15
Church St. Rwy. Const., 16th-18th and 22nd-30th	Western Motor Draying Co.	1-19-16
Car Bodies	Jewett Car Company	1-2-14
Rails, Joints, Fastenings, Spikes, Sect. A and D	U. S. Steel Products Co.	7-28-15
Electrical Conductors, Church Street	E. Earle Browne	2-11-16
Copper Rail Bonds, Furnishing and Installing	Bell & Jamison	3-20-14
Concrete Trolley Poles for Church St. from 16th to 18th and 22nd to 30th Sts.	John Spargo	1-19-16
Church St. Rwy. Const., 18th to 22nd St.	Contra Costa Const. Co.	12-10-15
Auto Truck and Tower for Trolley Repairs	Kelly-Springfield M. T. Co.	11-26-15
Mariposa, York to Hampshire	City Street Imp. Co.	3-15-16
Tank and Tower, Geary Street Car Barn	Pacific Tank & Pipe Co.	4-2-13
Tank and Tower Foundations, Geary St. Car Barn	Eaton & Smith	6-11-15
2nd Story Geary Street Car Barn	Jas. L. McLaughlin	7-30-15

† Informally awarded.
* Materials ordered on requisition.

TURES—Continued.

Supply and Street Improvements.

Year 1915-16.

Date Cont. was Signed	Amount Expended — Prior to July 1, 1915	From July 1, 1915, to July 1, 1916	Total	Date Work was Accepted	Fund
LANEOUS.					
12-6-15		25,348.45	25,348.45		General
8-31-15		24,120.00	24,120.00	6-4-16	"
		7,489.04	7,489.04		Spec. Ass.
4-7-16		1,831.13	1,831.13		General
5-24-16		1,027.55	1,027.55		"
7-7-16		497.50	497.50		"
6-14-16					"
6-25-15		1,760.00	1,760.00	9-30-15	"
		882.50	882.50		"
2-23-16		4,116.37	4,116.37		"
7-12-16					"
7-25-16					
2-28-16		1,101.80	1,101.80		"
10-29-14		887.00	887.00	11-19-15	"
12-1-15		3,709.68	3,709.68	3-15-16	"
ROADS.					
8-14-15)				2-9-16	1913 Rwy. Bonds
)					
8-19-15)		6,706.64	6,706.64	12-1-15	" " "
8-25-15)				12-24-15	" " "
12-15-15		4,264.00	4,264.00	3-8-16	" " "
11-20-15		4,889.60	4,889.60	2-18-60	" " "
12-6-15		1,760.00	1,760.00	1-26-16	" " "
	6,194.52	1,325.39	7,519.91		" " "
5-27-15		2,820.00	2,820.00	8-16-15	" " "
		8,738.54	8,738.54	1-5-16	" " "
2-3-16		56,734.03	56,734.03	6-2-16	" " "
1-16-14	344,161.50	21,750.00	365,911.50	10-22-15	" " "
12-1-15		38,323.67	38,323.67	2-23-16	" " "
2-25-16		5,353.31	5,353.31		" " "
4-2-14	29,693.65	2,975.10	32,668.75		" " "
2-3-16		6,404.41	6,404.41		" " "
12-27-15		93,371.79	93,371.79		" " "
12-13-15		2,165.00	2,165.00	6-28-16	" " "
3-28-16		1,100.00	1,100.00	5-10-16	Mun. Rwy.
4-14-13		1,462.00	1,462.00	2-9-16	1910 Rwy. Bonds
7-6-15		595.00	595.00	9-3-15	" " "
8-14-15		26,247.00	26,247.00	5-26-16	" " "
	$2,395,495.75	$2,087,493.22	$4,482.968.97		

HETCH HETCHY WATER SUPPLY.

WATER RIGHTS AND PROTECTIVE WORK.

According to the provisions of San Francisco's Hetch Hetchy grant, the development of the City's Sierra water supply "shall be prosecuted diligently and no cessation of such construction shall continue for a period of three consecutive years, and in the event that the Secretary of the Interior shall find and determine that there has not been diligent prosecution of the work or of some integral and essential part thereof, or that there has been a cessation of such construction for a period of three consecutive years, then he may declare forfeited all rights of the grantee herein as to that part of the works not constructed, and request the Attorney General, on behalf of the United States, to commence suit in the United States District Court for the Northern District of California for the purpose of procuring a judgment declaring all such rights to that part of the works not constructed to be forfeited to the United States".

Pursuant to a policy of active development, construction was started simultaneously at several locations in 1915, the extent of activity at each point being determined by the funds available from a restricted sale of 4½% bonds due to market conditions, and by the relative value of each unit in furthering the City's plans.

At the Early Intake, twelve miles below Hetch Hetchy dam site, water released from that reservori site, and flowing along the natural bed of the river channel, will be diverted into pressure tunnel 10½ ft. in diameter, which for some years to come will be the easterly terminal of the City's main aqueduct. This tunnel will pass beneath the mountain backbone on the south side of the Tuolumne River for a distance of 19 miles, to the Priest's Hill regulating reservoir near Moccasin Creek. The vicinity of the upstream intake portal has been excavated and the tunnel face started ready for power drills. The excavation of a bench in the slope above the river floods for the aqueduct leading from the early intake diversion damsite to the tunnel portal is also under construction, and in this portion of the aqueduct will be placed necessary sand screens and scouring chambers to automatically intercept any floating sand or debris, thereby preventing clogging of the aqueduct and dependent reservoirs.

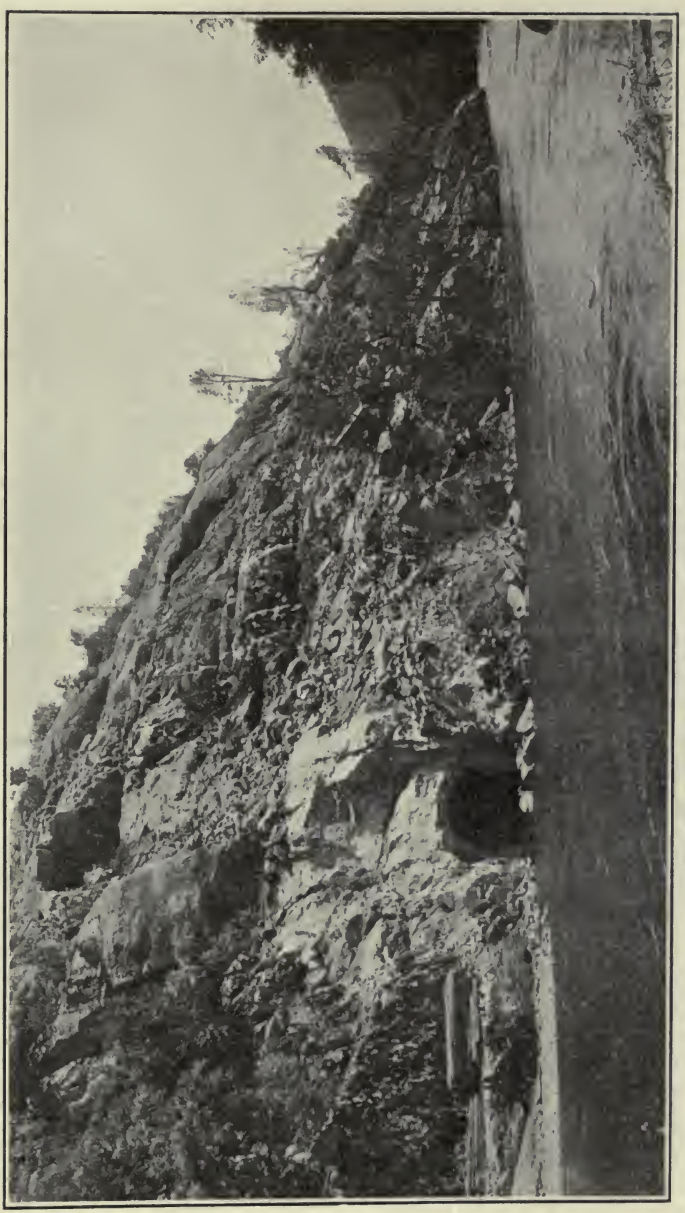
A suspension foot bridge was built across the river at Early Intake to allow the men working on the tunnel to cross over to the construction camp, which will be built on the northerly bank of the river where advantage can be taken of whatever sunshine is available in this deep canyon, for sanitary reasons.

Work on the Early Intake Road, begun in 1914, was continuously prosecuted with a small force until the very heavy snowfall necessitated its discontinuance in December, 1915. This road is now approximately 80% completed. The work has been resumed for this year. The Early Intake wagon road was completed down to the camp on the Tuolumne River. Some few slides were removed from the road.

Work has been continued on the bench for the aqueduct from Early Intake diversion dam to Early Intake tunnel portal. A large portion of this bench is completed and the tunnel portal is faced, ready for regular tunnel work.

The nine mile road from Hog Ranch to Hetch Hetchy damsite, constructed by the Utah Construction Company, under Contract No. 1, was surfaced in the spring of 1915, so as to put it in condition for the heavy wagon loads which were hauled for the installation of the sawmill, compressor, and other work.

Following the surveys of 1914, the application map for which was approved by the Secretary of the Interior on January 21, 1915, a road was constructed from Hetch Hetchy camp down into the floor of Hetch Hetchy Valley. This road has a length of .85 mile and was built on a 10% grade. It allows of access to Hetch Hetchy Valley by team or auto truck, which has been considered



Portal of Diversion Tunnel at Hetch Hetchy Damsite.

necessary as a construction adjunct to the main dam. The road was constructed entirely by day labor by City employes.

Trails were built from Hetch Hetchy camp down to and around the dam site and a road was built to allow of the hauling and installation of all plant, to be used in construction of not only the diversion tunnel, but also the diversion and main dams.

A trail was begun from the main road between Colfax Gate and the Toll Bridge, leading toward the proposed aqueduct crossing on South Fork. This trail has not yet been completed.

In conjunction with the Forest Service and other interested parties, a bridge was built over the Middle Fork on the road between Hog Ranch and Sequoia. Before this bridge was built, the road was impassable when the Middle Fork was at high stages, and it was then necessary to ford the river.

PERMANENT CAMP.

Following the topographic survey of the Hetch Hetchy camp, studies and designs were made in the office for the main camp for housing the men to be engaged on the construction of the Hetch Hetchy dam.

The construction of camp buildings at the Hetch Hetchy dam site was begun in September, 1915, the first building constructed being the dining room, 120 ft. by 40 ft. This was followed by building of bunk houses and cement warehouse. There have been built also several 3-room cottages, a hospital, wood house, oil house, meat house, and other buildings. A water system with wooden tanks and 2-inch water mains has been completed, and roads around the camp have been undertaken.

DIVERSION TUNNEL.

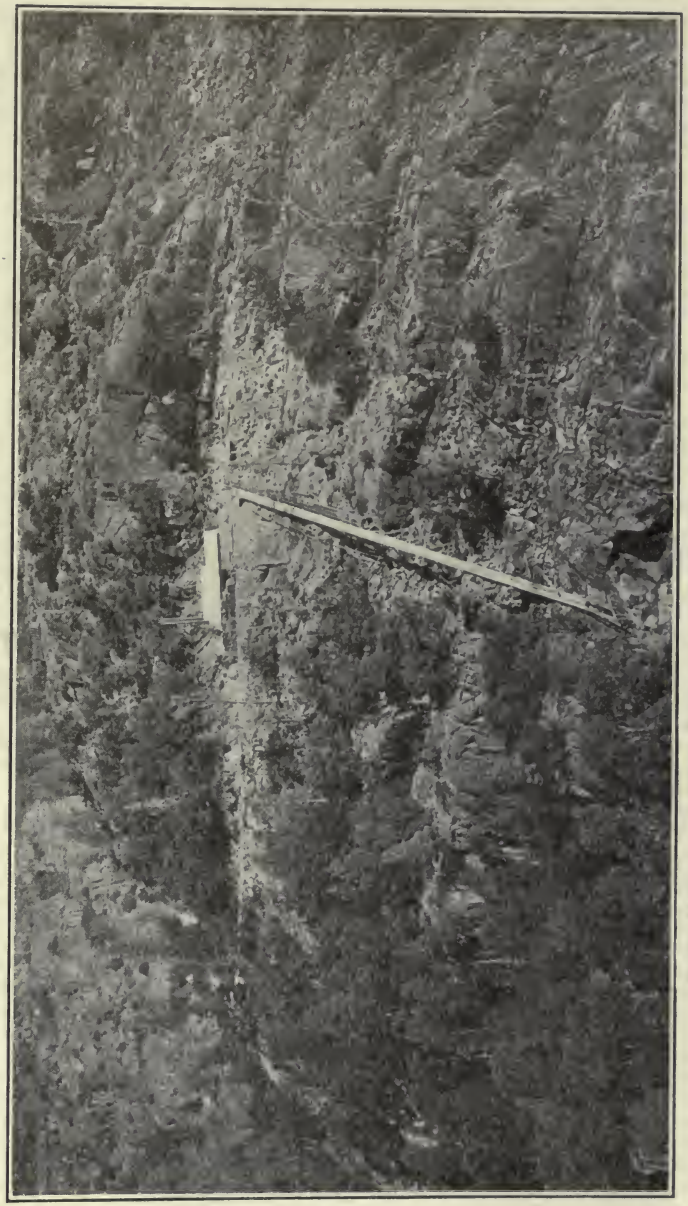
For the purpose of by-passing the stream flow of the Tuolumne River during the excavation of the foundations for the dam and the construction of the dam proper, a tunnel was drifted at the dam site. This tunnel was commenced late in September, 1915. Owing to the difficulty of securing prompt delivery of the compressor plant, due to tardiness in plan approval by Interior Department officials, the work was begun by hand drilling. When the tunnel heading was well started, two crews were put on, working night and day, and the heading was drifted through on the 30th day of December.

The main tunnel is to be 20 ft. in diameter. The completed heading is approximately the upper half of the whole tunnel. The excavation of the bench on the remaining half is now being carried on. The rock is a very hard grade of granite requiring no timbering and is a good indication of the nature of the excellent foundation of the main Hetch Hetchy dam. A portion of the spoil has been saved for use in the concrete construction of the diversion dam.

DIVERSION DAM.

Preparations have been made to construct the diversion dam to divert the river flow into the diversion tunnel, above mentioned, for unwatering the main dam site. A bench was made for hoisting engine, the engine installed, and derrick parts and cable hauled in and put in place preparatory to storing sand from the river bed. Lumber for flume and form construction has been delivered on the ground from Canyon Ranch sawmill.

The commencement of both the diversion tunnel and diversion dam was delayed from April till August—four months—due to lack of approval of plan program by the Assistant Secretary of the Interior. It is needless to state that delays of this nature prove a hardship and serious handicap to the City, where the fair weather season is so short, due to winter snows, etc. Work on the diversion dam is progressing favorably, and should be completed by next December.



South Abutment of Hetch Hetchy Dam, Showing Compressor Plant and Skidway.

TELEPHONE LINE.

The City's telephone line from Groveland to Hog Ranch was extended as a single iron wire from Hog Ranch to Hetch Hetchy camp. Some repairs and improvements in the old line were also made. The line is now in operation from Groveland to Hetch Hetchy dam site. A branch line has been built to Early Intake and is now in operation.

CANYON RANCH SAWMILL.

A site for the sawmill at Canyon Ranch in the City's property owned in fee was selected in the spring, and in April, 1915, grading was begun thereon. This was followed by felling and hewing of timbers sufficient to construct the first part of the frame for the mill. The final timber work was made with timber sawed at the mill.

Sawmill machinery, purchased under Contract No. 2, was delivered at Chinese and hauled to Canyon Ranch during June. The machinery was completely installed early in July and sawing was begun on July 21, 1915.

Great care was observed to preserve the natural forest appearance of Canyon ranch, and not mar the scenic features of the National Park by the City's activities. One of the means used was to leave untouched a screen of trees immediately next to the railroad.

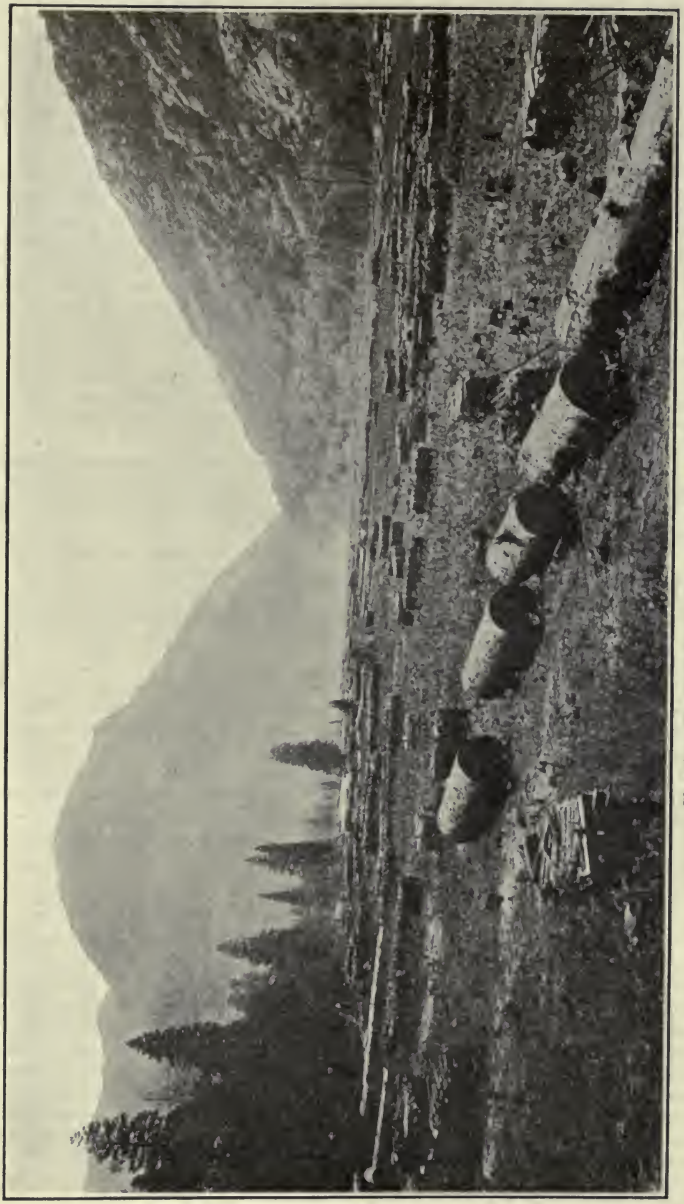
Sawing was continued until November, when, on account of the snowfall, the mill was shut down. About 1,200,000 feet B.M. were manufactured during the season, a portion of this being surfaced. A large portion of this lumber was hauled to Hetch Hetchy dam site for use in permanent camps, a portion was used at the sawmill in construction of frame for the mill, office, bunk houses, etc., and the remainder was piled for seasoning. The area on which the timber was cut at Canyon Ranch has been cleared, the slash and brush burnt in a satisfactory manner. During December the mill was housed in, engines, etc., covered, and everything put in good style to withstand the winter storms.

There is now remaining on Canyon Ranch about 800,000 ft. B.M. of timber, which can be cut by the mill. In the floor of Hetch Hetchy Valley there are about 2,000,000 ft. B.M. of logs suitable for saw timber.

Work at the sawmill was resumed in April, 1916, and is progressing satisfactorily. An average day's run yields about 15,000 board feet sawed and surfaced.

DEFENSE AGAINST OPPOSITION WATER AND POWER CONCERNS.

The Yosemite Power Company has pending before the Department of the Interior applications for rights on the Tuolumne River in the National Park and Forest Reserve, which conflict seriously with the development works as proposed by the City. A determined stand was made by this office against the United States Government approving the validity of these claims, hydrographic and other data was prepared and submitted to United States Government officials and studies made by the company's proposed hydro-electric power development. The City Engineer with the City Attorney and the Clerk of the Board of Supervisors left for Washington, D. C., on January 18, 1916, to oppose the claims of this company, which is controlled by the Hammond interests. The hearing of both sides was held before the Secretary of the Interior on January 26, 27 and 28, and the objections presented by City officials taken under advisement by him. Little doubt is felt of a verdict favorable to the City, for in a similar proceeding in 1912, Ex-Secretary of Agriculture Wilson ejected the National Park Electric Company, another wildcat concern, from the National Forest, at the request of the City, under conditions which were practically identical with those obtaining in the present case.



Clearing Bottom of Hetch Hetchy Reservoir.

LOWER CHERRY POWER DEVELOPMENT.

In order to supply power for construction purposes at Hetch Hetchy dam site and along the tunnel aqueduct line, work is in active progress on a temporary power plant to be located near Early Intake. An aqueduct line 17,000 ft. in length, including 4,400 ft. of tunnel, 5,200 ft. of flume and 7,400 feet of open ditch will be constructed during the present year, bringing water from Cherry Creek to the forebay 300 ft. above the power house at Early Intake.

During the latter part of April, surveys were commenced for the diversion dam, which will direct the waters of Lower Cherry Creek into this aqueduct, and also for the aqueduct line and power house location. The line of this aqueduct has been cleared, a trail built the whole length of its development and camp buildings erected for the use of men engaged on the construction work.

There will be five tunnels on the aqueduct line, 7 ft. 6 in. wide and 7 ft. 6 in. high, with arched roof. These will be awarded by contract, which will call for completion within a period of 150 days. The open ditch work and flumes will be built by day labor.

The Early Intake wagon road is being extended from its present terminus, near the permanent aqueduct bench, across the river by a bridge and thence up a 10% grade to the Cherry Aqueduct line. At the present time the bridge is being constructed.

In addition to the road work necessary for the Cherry power development, considerable repair work has been necessary on the roads from Groveland to the Early Intake on which a surfacing crew has been almost continuously engaged.

For the equipment of the Lower Cherry power plant, contracts will be awarded immediately in order that deliveries may be secured in ample time to install the generating machinery early next spring.

A temporary storage dam will be constructed near the outlet of Lake Eleanor, in order to raise the level of the lake and make available, for power purposes, an additional water supply.

It will be necessary to have a continuous flow of 120 second feet in the Lower Cherry power canal for a continuous generation of 2400 K.W. The ordinary flow of the stream for the four driest months of the year does not supply this amount.

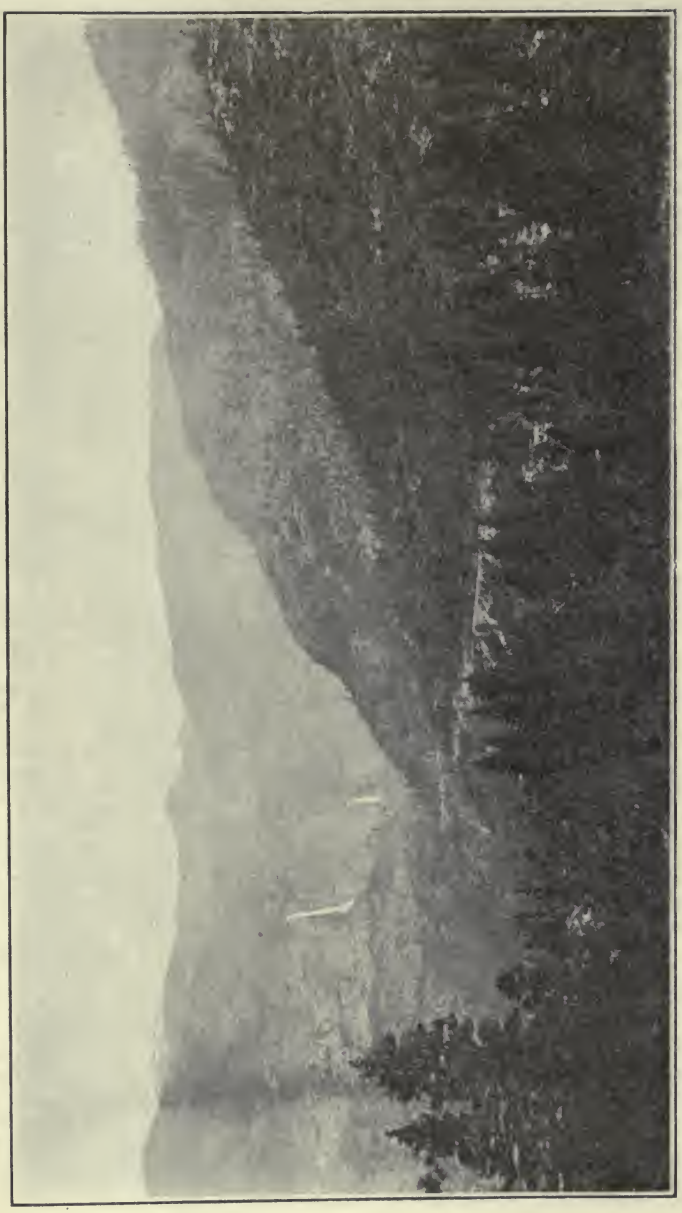
Whether the temporary dam at Lake Eleanor will be an earth fill or a timber crib structure, has not been decided, but which ever type is adopted as most suitable and economical will be finished before the spring of 1917, in order to make available next year the rainfall and waters from the melting snows of the coming winter.

CONTRACTS.

The following contracts were operative during the past year:

Contract No. 1. For constructing road from Hog Ranch to Hetch Hetchy Dam. This work was begun in August, 1914, and completed in February, 1915, by the Utah Construction Company, at a total contract price of approximately $180,000. 9.09 miles of 22-foot roadbed was graded. The maximum grade is 4% and the minimum radius of curvature 191 ft. The greater part of the material handled in grading was solid granite. The roadbed was later surfaced, as elsewhere noted in this report, and is now being utilized for the transportation of machinery, materials and men to and from Hetch Hetchy Valley. It will form a part of the roadbed for the railroad now being constructed under Contract No. 7. Previous to the construction of this road, the Hetch Hetchy Valley was accessible only by trail.

Contract No. 2. For furnishing Sawmill Machinery. Bids were received on April 14, 1915, and the contract was awarded on April 19, to the Eby Machinery



Recently Constructed Railroad Grade into Hetch Hetchy Valley.

Company, for the sum of $4,975. Final payment was recommended on August 31, after a successful trial run of the machinery.

Contract No. 3. For Furnishing Logging Engine. Bids were received on April 14, 1915, and the contract was awarded on April 28, to the Western Equipment Company for $2,950. Final payment was recommended on August 19, after a successful trial run of the logging engine.

Contract No. 4. For Clearing Portion of Hetch Hetchy Reservoir Site. Bids were received on September 15, 1915, but were rejected (September 20) on account of irregularity in the lowest bid. The contract was re-advertised, bids being received on September 29, and award was made to A. J. Reeder on October 1, for the estimated sum of $31,675, with a possible bonus of $1,500. A large amount of cord wood and of saw logs cleared from the reservoir and usable as fuel and construction timber, has been saved for the City's use. Already the amount of cord wood provided for in the contract has been cut.

Contract No. 5. For Furnishing Air Compressing Plant and Drills. Proposals were received on September 8, 1915, and the contract awarded on September 15, as follows:

Proposition No. 1.—Boilers, to the Chicago Pneumatic Tool Company, for $2,877.

Proposition No. 2.—Air Compressor, to Ingersoll-Rand Company of California, for $3,019.

Proposition Nos. 3, 4 and 5—For Drills, Receivers, Sharpener and Accessories, to Rix Compressed Air Drill Company, for $4,431.50.

This machinery was delivered to Hetch Hetchy dam site in November. It has all been assembled and is ready for regular operation.

Contract No. 6. For Furnishing Hoisting Engine and Boiler. Proposals were received on October 8, 1915, and contract awarded on October 11, to A. L. Young Machinery Company for $1,357. The engine was delivered at Hetch Hetchy dam site in November and installed, as noted under "Diversion Dam".

Contract No. 7. For the Construction of the Hetch Hetchy Railroad. Specifications were prepared for this work and proposals received on October 28, 1915. The proposals were six in number, the lowest being that of F. Rolandi of this City, for the estimated sum of $1,543,080.74. This bid was accepted by the Board of Public Works on December 6, 1915.

This contract will include grading 58 miles of line, from Hog Ranch to Rosasco, furnishing all materials and constructing a railroad over the total 67.63 miles, with necessary sidings and other accessories, from Rosasco to Hetch Hetchy dam site.

Work has been continued with a maximum force of 500 men. At the present time there are slightly over 400 employed by the Contractor.

The estimated value of the work completed June 30, was $318,346. The Contractor now has one steam shovel on the ground and expects to operate two more.

The grading is approximately 40% done; construction of concrete piers for the Tuolumne River Steel Bridge has been begun and a large amount of construction material, such as rails, ties, switches, and lumber for trestles, has been delivered at Rosasco.

Contract No. 8. For Furnishing Cement. Bids were received October 23, 1915, and contract awarded on October 26, to the Santa Cruz Portland Cement Company, for furnishing at Chinese Station 3,975 barrels of cement. The contract price was $10,613.25. Delivery was begun immediately upon award of contract, but the early rainfall and snow interfered with the hauling to such an extent that the completion of delivery had to be deferred until the end of winter. At the present time there have been delivered at Chinese Station 3400 barrels and the contract is practically complete. This cement is to be used in the construction of the diversion dam, the preliminary work for which has already been done.

Timber Cut at City's Sawmill, Five Miles from Hetch Hetchy Damsite.

Contract No. 9. For Hauling Cement from Chinese, a Station on the Sierra Railway of California, Tuolumne County, to Hetch Hetchy Dam Site. Bids were received on November 5, 1915, and contract awarded on November 6, to Charles B. Dunham at $23 per ton. Hauling was begun immediately upon award of contract and carried on intermittently, as rapidly as the weather and conditions of roads would permit. The contract has been practically completed.

Contract No. 10. For Drifting Tunnels, Lower Cherry Aqueduct. Specifications have been prepared and contract will be awarded in the near future.

Contract No. 11. For Making Core Borings, Hetch Hetchy Aqueduct. Specifications for this contract were transmitted to the Board of Public Works on June 30, and proposals received on August 9, 1916.

The work will consist of securing for examination about 8,000 ft. of 15/16 in. core from holes to be bored along the line of the Hetch Hetchy Aqueduct, between Early Intake and Priest Regulating Reservoir. The data thus secured will be indispensable for obtaining a knowledge of the material that will be traversed by the aqueduct tunnels.

Contracts No. 12 and 13. Specifications for these contracts for hydraulic and electrical machinery at Cherry Power Plant have been prepared, and provide for the delivery of hydro-electric machinery early in 1917, in order that the program of the City Engineer for the construction of the Hetch Hetchy System may be carried out as outlined in this report of March 25, 1916, to his Honor the Mayor, the Board of Public Works and the Board of Supervisors.

STREAM MEASUREMENTS.

Hydrographic and meterologic observations have been continued, as previously noted. The City Engineer is endeavoring to reduce the number of employes of the U. S. Geological Survey paid for by the City to perform this work.

SURVEYS.

During the construction of the Hetch Hetchy Railroad it has been necessary to maintain five parties of surveyors for the purpose of general staking and supervision of grading work, installation of culverts, cross section work and estimates for payments to Contractor. Several slight revisions of the alignment have been made, which will reduce the total construction cost and result in better alignment.

Upon the completion of the location survey of the Hetch Hetchy tunnel aqueduct from that point to the westerly boundary of the Stanislaus National Forest. The relocation of this line was determined after extensive cost analyses, as well as geological studies.

The new aqueduct line crosses the South Fork of Tuolumne River at a point near the confluence of the Middle Fork, the crossing being a very low bridge. With the old aqueduct location, an expensive inverted siphon would be necessary, in which water would be under very high pressure. This undesirable feature is eliminated in the revised location, which places this 19 mile section of the aqueduct on a uniform gradient.

A preliminary line has been run from Priest Reservoir to the Moccasin Creek Power house site, and thence a location survey has been run to Red Mountain Bar. At this point the aqueduct will cross the Tuolumne River on a structure, the nature of which has not yet been definitely determined. For purposes of study, a detail topographic survey was made of the site of the proposed crossing. The survey has been continued from here to the westerly boundary of Tuolumne County, which will be approximately the end of the tunnel aqueduct and the head of San Joaquin Valley pipe line.

The location of the Hetch Hetchy Aqueduct from Oakdale westerly across the San Joaquin Valley has been partially completed. At the end of June this work had been carried about 36 miles, or close to the right bank of the San Joaquin River. This survey will be completed to Irvington Gate House before the winter, and maps thereof filed with the Secretary of the Interior, in accordance with the provisions of the Raker Bill.

Preliminary to the clearing of the floor of Hetch Hetchy Valley, to the elevation which was to be flooded by the construction of the diversion dam, an average depth of about 30 ft., a survey was made of the 3,560 foot contour, which was flagged out on the ground for the guidance of the men engaged in clearing the reservoir site.

The Hetch Hetchy dam site was accurately resurveyed and topographic map made thereof. This map was the basis of final studies of type of dam to be constructed, and also of location of this and various appurtenant structures.

For the purpose of making descriptions of the rights of way, along the Hetch Hetchy Railroad, resurveys were made of the townsites of Big Oak Flat and Groveland. The original surveys of these townsites were very roughly done in the mining days of 60 years ago, and without the resurveys it was impossible to determine with any accuracy the location of the property lines. This work has now been completed and the rights of way are being definitely established as a result of it.

The Indian lands in the Big Creek Valley, near Groveland, were surveyed, as well as a number of mining claims along Moccasin Creek, as the railroad traverses these lands and the descriptions were needed for right of way purposes.

GEOLOGY.

In connection with the location of the Hetch Hetchy aqueduct tunnels through the Coast Range Mountains, from Tesla to Irvington, it has been necessary to make a thorough geological survey of this district. The field work in connection with this survey was practically complete by the end of June.

The determination of the best location for the Tuolumne portal included a study of the location of the San Joaquin River crossing of the Hetch Hetchy aqueduct pipe line, and the question was considered as to whether it would be advisable to change the river crossing from the location tentatively recommended previously, but a careful analysis resulted in retaining the location as originally suggested.

ALAMEDA CREEK HYDROGRAPHY.

The work of gauging the water sources of the Spring Valley Water Company, in Alameda County, begun in 1914, has been continued during the past fiscal year. The accumulation of accurate data and determination of the reliable yield of these sources is of great importance to the City in connection with not only any future purchase of the Spring Valley Water Company, but for any controversy in which the Company and the City may be involved.

APPLICATIONS TO DEPARTMENT OF INTERIOR.

Amended application for Lake Eleanor Reservoir and application for Cherry-Hetch Hetchy Tunnel Aqueduct in Stanislaus National Forest were filed March 9, and approved, respectively, December 27 and December 24.

Applications for the following rights of way were also made:—

Hetch Hetchy Railroad, from Hog Ranch to west boundary of Forest, filed May 28, approved October 12;

Hetch Hetchy Railroad, from west boundary of Forest to Priest Reservoir, filed June 11, approved October 15;

Hetch Hetchy Railroad, from Priest Reservoir to Red Mountain Bar, filed August 18, approved October 12;

Hetch Hetchy Railroad, from Red Mountain Bar to Rosasco, filed November 1, approval still pending.

Application map for Lower Cherry Aqueduct, Dam Site and Power House Site, filed in April was approved on June 22.

Map of Priest Regulating Reservoir, Dam Site and portion of watershed, necessary for protection of reservoir against pollution, filed in April was approved June 22.

Map of amended location of Hetch Hetchy Tunnel Aqueduct, from Early Intake to the west boundary of Stanislaus National Forest, was prepared and on June 30 was ready for filing. This last application is of the new aqueduct line, as noted on pages 28 and 30 of the report of March, 1916.

Application map of Hetch Hetchy Railroad, from Red Mountain Bar to Rosasco, filed November 1, 1915, was approved December 27, 1915.

CITY DISTRIBUTING SYSTEM.

Pending the settlement of the suit instituted by the Spring Valley Water Company for the adjustment of water rates in San Francisco, realizing that the outlying districts were in urgent need of immediately supply, on the recommendation of this office, the Board of Public Works was authorized by Resolution No. 10,869 of the Board of Supervisors, to sink test holes on property belonging to the City and County in Richmond and Sunset Districts, to determine the feasibility of obtaining a supply from wells in this locality.

Ten test holes were bored and proved the water-bearing possibilities of this district. Contracts were therefore entered into for five wells, the total cost of drilling which amounted to $13,895.94. The cost of the ten test holes amounted to $4,250.25. It is estimated that from the wells already drilled a permanent supply of 1,000,000 gallons a day can be secured. Therefore, if it ever becomes necessary to supply portions of the Richmond or Sunset Districts from this source, the necessary pumping station can be installed and distributing reservoir constructed.

Subsequent to the drilling of the wells, however, on July 3, 1915, the following Resolution was passed by the Board of Supervisors (No. 11,886, New Series):

"Whereas the Spring Valley Water Company has submitted in writing an offer to make certain needed extensions to its water mains in the City and County of San Francisco; and

"Whereas, One of the conditions of said offer is that the cost of installing said mains shall be added to price which may be fixed upon the properties of said Company now under condemnation in suit No. 53708 in the Superior Court of this City and County; now, therefore, be it

"Resolved, That the City Attorney is hereby authorized and directed to enter into a stipulation in said case with the Spring Valley Water Company to the effect that the cost of such extensions when completed may be added to the value of the properties found by the Court as of the day on which the summons was issued".

Pursuant to this agreement, the Spring Valley Water Company has installed since July 3, 1915, the following pipes in the various districts:—

RICHMOND DISTRICT.

16″ main in 23rd Ave., from Fulton to Geary Sts.
12″ " " Anza St., 23rd to 29th Aves.
12″ " " 29th Ave., from Anza to Balboa Sts.
12″ " " Balboa St., from 29th to 31st Aves.
8″ " " Balboa St., from 31st to 42nd Aves.
8″ " " 42nd Ave. from Balboa to Geary Sts.
8″ " " Fulton St., from 10th to 23rd Aves.
8″ " " 28th Ave., from Anza to Geary Sts.
8″ " " 21st Ave., from Anza to Geary Sts.
6″ " " 18th Ave., from Fulton to Cabrillo Sts.

GARBAGE DISPOSAL.

A number of propositions for the disposal and destruction of refuse and garbage have been submitted to the City authorities during the past year and have been referred to the City Engineer for consideration and report. The several propositions are herein briefly summarized and commented on with a view of showing the apparent merits or objections that may be advanced regarding the operation and the results that may be had therefrom, of the different projects submitted.

Collins & Pellett, under date of December 17, 1914, proposed to install four garbage crematory incinerators to have a total guaranteed capacity of 512 tons a day, for a price of $340,000, the sites for the incinerators to be furnished by the City. Collins & Pellett will guarantee these plants to be odorless and practically smokeless.

They also make an alternate offer for the City to give them a contract franchise for 15 years and grant them full control of garbage collection and at the end of the 15 years' period they agree to turn over the plant to the City without cost. In this proposition also the City shall furnish the sites for incinerators. The plants will be housed in fireproof buildings which shall be supplied by the Contractors.

By "control of collection" above mentioned, Mr. Collins states that they mean they shall take over and operate the entire collection of waste, garbage, ashes, swill, etc., now collected by the scavengers and the two or more reduction companies that are operating in the City. This will make it necessary for the Supervisors to pass such ordinances as may be required to give complete control of the whole collection situation to Collins & Pellett. They do not go quite so far as to suggest the entire confiscation of the scavenger business, but say they will make adequate and satisfactry arrangements with the scavengers, even to the extent of buying out their horses and wagons and then engaging the drivers and collectors by the day. They would also undertake to control the collection of swill and other waste now handled by the Reduction Companies in South San Francisco, and the reduction companies would then be compelled to arrange with Collins & Pellett for the products these companies now collect for themselves.

Collins & Pellett also, under date of July 22, 1915, made three propositions to the City as follows:—

Proposition No. 1: To construct an incinerating plant of the type of Nye's Improved or Lea's Garbage Crematory Incinerators, on site to be furnished by the City, with a capacity of 512 tons per 24 hours, at a cost of $340,000. This plant is guaranteed to be without any offensive odors or gases and practically smokeless in operation.

Proposition No. 2: To construct on site furnished by the City a Nye's Improved or Lea's Garbage Crematory Incinerator to dispose of the entire output

of the City's garbage and waste, for a period of 15 years, and at the expiration of that period to turn over the entire system to the City free and clear of incumbrance and in good running order, without further cost to the City; provided Collins & Pellett are given "control of the entire system of collection and disposal of garbage for said period of 15 years".

Proposition No. 3: To erect on sites furnished by the City, Nye's Improved or Lea's Garbage Crematory Incinerator and to operate these incinerators free of cost to the City and to pay to the City $90 per day for every working day of the year; provided Collins & Pellett are given "full control of collection and disposal of the entire output of the City's garbage and waste", and at the expiration of 25 years to deliver the plants to the City at appraised valuations, Or, should the City extend the franchise to a period of 35 years, Collins & Perlett will undertake to deliver all the incinerating plants clear of incumbrance and without cost to the city.

Attention has already been called to the proposed "control of collection" that Collins & Pellett are asking for and this is a provision that would be very difficult to carry out with satisfaction to most of the people concerned excepting perhaps Messrs. Collins & Pellett. Attention is also called to their guarantee that there shall be no "offensive odors or gases" and that the plant shall be "practically smokeless in operation".

There is an incinerating plant of the Nye's and Lea's improved type now in operation in the Presidio Military Reservation in San Francisco, for the destruction of refuse and garbage from the hospital and waste from officers' quarters in the Presidio. This incinerator is a destructor of the flat hearth type enclosed in a corrugated iron building and is said to have cost about $4,000 when built. It consists of a burning hearth upon which the refuse to be burned is delivered through a chute at the rear and distributed by poker in the hands of attendant. The destructive fire is supplied by an oil burner, which fire is projected into the furnace and deflected across the hearth by an angle wall at the rear end. The refuse, before being fed into the furnace, is dumped upon a platform on a level with the roadway and when the ash pan below the burning hearth is full of ashes and other burned material the grate is rolled out on rails provided for same and the ash removed by hand to the dump.

The rated capacity of the unit is about 16 tons of refuse or garbage daily. The capacity of this type of furnace seems not to have been tried out and there does not appear to be any installed where continuous operation is required. Mr. Collins states there are several of the plants in some of the Southern States and all operating with satisfaction.

The furnace seems to be of the type and construction suitable for burning small quantities of refuse in small towns, as the resulting odors and smoke are not in such volume as to form much serious objection. Should there be assembled in one plant a sufficient number of these furnaces to burn 500 to 600 tons a day, or, as suggested by Mr. Collins, to install four plants in different parts of the City, each of which would have a capacity of about 150 tons a day, it is not possible to estimate what degree of nuisance might result from the combined odors and smoke from all the furnaces of the group.

Regarding fuel expense the records would indicate that the plant at the Presidio requires something between 24 cents and 35 cents worth of fuel oil per ton of refuse. It is probable that with larger installations and more continuous operation the amount of fuel oil required per ton of refuse would be less than in such a small plant as the one at the Presidio.

Neil H. McKay, Civil and Sanitary Engineer, San Francisco, under date of December 1, 1915, made a proposition as follows:—

To design, erect, and test, to the satisfaction of the City and County of San Francisco, one Sparks Garbage Incinerator, of one unit, with a rated capacity

of 8 tons per day as a demonstration plant, on a plot of ground to be furnished by the City, under the following guarantee:—

1. To destroy 8 tons of garbage and refuse a day.
2. The plant will be odorless and inoffensive.
3. The plant will be constructed in a thoroughly mechanical and workmanlike manner.
4. Residue will be free from organic matter.
5. No restrictions on any grade or classes of garbage.
6. Cost of operation shall not exceed 40 cents a ton.
7. All refuse and garbage will be incinerated to inocuous ash and vitreous clinker.
8. Will erect and complete said incinerator and temporary building enclosing same, supply all tools and equipment for operation, and furnish complete plant, consisting of one unit of the Sparks Garbage Incinerator, in perfect working order, for the sum of $6,000, to be paid upon the conclusion of satisfactory operating tests and delivery of maintenance bonds. Will also furnish bonds in good solvent surety company for fulfillment and performance of contract, also for maintenance and to save City harmless from all claims of any nature.

This type of incinerator is stated to be in successful operation in Memphis, Tennessee; Little Rock, Arkansas; Hilsborough, Texas, and Bartelsville, Oklahoma.

While Mr. McKay states that it has proven itself to be the most economical and sanitary garbage incinerator ever constructed in the United States, it is probably another of the type of incinerators that work very well for small quantities of refuse to be destroyed, and offensive gas and smoke are then probably in such small quantities that no serious objection to its operation are apparent.

Fred P. Smith, Henry E. Monroe and R. F. Harding. These gentlemen, under date of November 15, 1915, made application for a franchise for disposal of garbage, rubbish and waste matter for a term of 35 years. In consideration of such a franchise they propose to dispose entirely of all refuse delivered to them as collected by scavengers or others, without cost to the City, and in a clean and sanitary manner. As compensation for such a franchise they offer to pay to the City 4 cents per ton for all refuse delivered to the plant and at termination of franchise period of 35 years they will convey to the City all right, title and interest in a complete incinerating plant, which shall have a capacity of 1,200 or more tons per day, together with a site of not less than 30,000 square feet area. The estimated marked value of said plant and site will be about $730,000. It is estimated that under the proposed franchise the City would receive about $237,000 in cash, which, with the estimated value of the plant and the site, would equal approximately $1,000,000 to be received by the City as compensation for the franchise.

The proposed site to be furnished by Messrs. Smith, Monroe and Harding is in the Islais Creek District within 2,000 ft. from the Islais Creek Incinerator erected by the Destructor Company.

Smith, et al, are to have the exclusive permission, privileges, rights and authority to dispose of all garbage, refuse and waste, except dead animals and swill from restaurants and hotels, which are now otherwise provided for, to be delivered by scavengers, collectors or parties having waste or refuse, and to deliver said refuse to the proposed plant at such hours of the day and at such places as directed, subject to the approval of the Board of Public Works and under the sanitary supervision of the Board of Health, and scavengers or others are to pay, upon delivery at the incinerator, at the rate of 60 cents per ton for all refuse delivered, and the City shall not permit the use of other places for dumping or disposal of refuse.

The Company (Smith, Monroe and Harding) shall become responsible for the disposal of all refuse in such manner that no form of nuisance can result

from the handling, from the treatment or from incineration, and there shall be no noxious odors or gases, smoke, fumes or vapor, either inside or outside of the plant.

The Company proposes to have the plant of the Sanitary Reduction Works turned over to them by the City and that the City shall permit its operation by the Company for the period of the first 18 months of the proposed franchise period of 35 years, or until the new incinerating plant shall be finished. The Company will make such alterations and additions to the present Sanitary Reduction Company's plant as required to remedy existing nuisances of smoke, odor, and general uncleanliness. All their work of construction of new plant and the operation of the old plant shall be under the supervision of the Board of Public Works and the City Engineer, and all work of disposal of refuse and garbage shall be under the supervision of the City Board of Health.

The City shall have the right to terminate the franchise at any time after 5 years of operation of the new incinerating plant and for such termination the City shall pay to the Company the sum of $20,000 for each unexpired year of the 35 year franchise.

Messrs. Smith, Harding and Monroe, under date of December 9, 1915, proposed as follows:—

For the immediate and temporary disposal of waste and refuse they will receive all refuse such as is now taken by the Sanitary Reduction Company and dispose of same upon submerged property owned or controlled by the Company (Smith, Harding and Monroe) in the Islais Creek District. For this privilege they agree to pay to the City the sum of $20,000 per annum, or $30,000, for a proposed contract period of 18 months, they to be authorized to collect 60 cents per ton from scavengers who shall deliver the refuse subject to the direction of the Company. All of the physical properties of this disposal are to be subject to the approval of the Board of Public Works and the sanitary and health conditions subject to the approval of the City Board of Health. The Company States that they are prepared to begin operations four weeks after the acceptance of their proposal.

Messrs. Smith, Harding and Monroe, under date of December 9, 1915, also make application for a contract for the disposal of refuse for a term of 25 years, the compensation to the City for said franchise to be 4 cents per ton of refuse delivered by scavengers to the Company (Smith, Harding and Monroe) during the first 5-year period, 5 cents per ton of refuse delivered by scavengers to the Company for the second 5 years of the period of the franchise, and an increase over the 5 cents per ton of 1 cent for each ton of refuse delivered by scavengers to the Company during each succeeding 5-year period for all refuse delivered to the plant. At the termination of the franchise period of 25 years, the Company will convey to the City all right and title in the complete plant, together with the site of not less than 36,000 square feet area, and the estimated value of the plant and site will not be less than about $730,000. The capacity of this plant will be 960 or more tons per day.

Under the proposed franchise it is estimated that the City would receive not less than $327,000 in cash, which, together with the value of the plant and site, would be more than $1,000,000, which the City would receive as compensation for the franchise. The proposed site of the incinerator is in the Islais Creek District on land now owned by the petitioners. All waste shall be delivered to the plant by the scavengers, who shall pay the Company 60 cents per ton for receiving same, and the Company shall then become responsible for the disposal of the refuse without nuisance or offensive conditions of any sort, subject in all its operations and results to the approval of the Board of Public Works and the Board of Public Health.

During the first 18 months of the franchise period the Company proposes to receive and dispose of the City's waste by burial for filling purposes at the plant site.

The new plant will be constructed and supplied complete with all equipment for the requirements of the City, ready for successful operation, within 18 months after granting the franchise. It is not proposed to build at the first a plant larger than may be required to dispose of from 500 to 600 tons daily, but further units of furnaces will be built by the Company in advance of the City's requirements and before the end of the franchise period the Company undertakes to have built an incinerator with furnaces of a sufficient capacity to dispose of 960 tons or more, all enclosed in a building of Class "A", reinforced concrete construction. The estimated cost of the completed plant, as proposed by the Company, to be erected under the franchise at any period after the first five years of the operation of the new plant by paying to the Company a forfeiture price of $24,000 for each unexpired year of the franchise period.

Messrs. Smith, Harding and Monroe, under date of December 9, 1915, propose what they term a feasible method of immediately and temporarily disposing of refuse without investment of any City funds, and for which they are willing to enter into contract with the City.

It is proposed that the present plant, now operated by the Sanitary Reduction Company, be turned over to the Company (Messrs. Smith, Harding and Monroe), and that the scavengers shall continue to deliver the refuse at the plant and pay the reduction charges of 60 cents per ton, as is the present rule.

1. The Company will make such improvements to the Incinerator, to such extent and in such manner that the nuisance features of smoke and dust shall be abated. As compensation for such improvements they agree to accept the profits to be made by the operation of the plant for one year, the profits consisting of the difference between the actual cost of operating the plant and the 60 cents per ton to be paid by the scavengers upon delivery of refuse. After the first year's operation by them they propose to pay to the City the sum of $20,000 per annum for the continued use of the plant and for such period as the City shall desire and permit its operation.

2. The Company proposes a contract for the operation of the plant under 5 years franchise period and without payment to the City of any sums annually or otherwise, they will entirely reconstruct the present plant, should it be turned over to them, in such manner that its capacity will be increased and all nuisance features of smoke and odor will be entirely abated, and the present congestion of scavenger wagons at the busy times of the day will be entirely abolished. Under the proposal for the 5-year period, it is assumed that the present site for waste disposal purposes will not be considered for a period of longer than about 5 years.

3. The Company (Messrs. Smith, Harding and Monroe) offers to dispose of the City refuse for a period of from 18 months to 2 years by receiving the refuse delivered by scavengers on their Islais Creek property and disposing of same by burial in the submerged district, and for this privilege the Company will pay to the City the sum of $20,000 per annum so long as this method of disposal shall be permitted.

Referring to the first proposal by Messrs. Smith, Harding and Monroe, for a 35-year franchise period, it will be noted that they propose to pay to the City the sum of 4 cents per ton for all refuse delivered to the plant and they estimate that at the end of the franchise period the refuse that will be delivered by scavengers will amount to between 900 and 1,000 tons per day. This would represent an average income to the City at 4 cents per ton, of approximately $9,000 annually during the entire franchise period of 35 years.

It will be noted that for the first several months of the period the refuse to be delivered by the scavengers is to be disposed of on what is now submerged land, by process of burial. There are many objectionable features to such a process as will be mentioned more particularly later on in this report, and while Messrs. Smith, Harding and Monroe propose to treat the fill in a perfectly satis-

factory and sanitary manner, they also recognize the fact that the whole foundation of the plant must be built and sustained on piling in order to carry the heavy building and furnace, which furnace, being of brick-work, will certainly require a very stable foundation, in order to prevent it developing cracks and thereby becoming subject to continual repairs.

Another feature requiring consideration would be the difficulty of compelling scavengers to deliver all of the refuse to the Islais Creek District. It would probably be necessary to have one or more receiving stations for refuse in some one or more sites to be determined, to which the scavengers would deliver their refuse. From these receiving stations the refuse could be delivered to the site of the proposed incinerator by motor trucks. The expense of this haul from the receiving stations to the incinerator would probably fall on the incinerator company, and it may be they have included this in their estimates of cost. Their propositions do not make mention of such cost, however, and it may be subject to another franchise or expense item, that either the Reduction Company or the City or the scavengers would have to meet in some manner to be arranged.

It is understood that the kind of furnace proposed by Messrs. Smith, Harding and Monroe is the same furnace or a modification of same that is now in operation in the City of Portland. There is also another one in operation in the City of Pasadena and one of small capacity in use in the City of San Jose, California. It is stated that the operating costs of the Portland plant are something less than 50 cents per ton. With the local charge of 60 cents per ton to be paid by the scavengers, there would be indicated a fair profit on the general operation of the plant.

One advantage that might be mentioned in one or other of the propositions from these gentlemen, is the fact that they propose to relieve the City immediately of further trouble with reference to its disposition of refuse and to guarantee that when their incinerator is built and in working order, it will be entirely satisfactory in that there shall be no offensive odors, dust or smoke, and at all times the operation of the plant shall be under the direction and supervision of the Board of Public Works and the Board of Public Health of the City and County of San Francisco.

A. G. Boggs, under date of November 12, 1915, submits two propositions:

Proposition No. 1. The City shall acquire the present plant now operated by the Sanitary Reduction Company and turn same over to Mr. Boggs, that he may have the unobstructed possession of the plant, with the privilege of operating same until the completion of a new plant which he proposes to build. This plant comprises an entirely new process for purposes of refuse reduction. It is called the "Boggs-Carson Multiple Unit Destructor" and consists of a series of furnace chambers or cells into which the refuse is charged. These cells are arranged in series and the heat and gases from one cell pass into the next and so on through the series, completing the destruction of the refuse by a complete round of operation; the whole process being self-contained does not permit of any odors or smoke passing from the furnace units in the destruction of the refuse.

No furnace of this type has yet been constructed for operation in practical destruction of refuse. It is understood that the inventor and owner have built a plant for experimental purposes, but nothing of a completely practical size.

The proposition states that the multiple unit plant shall be absolutely fumeless and odorless, and sanitary in every respect. When the proposed new plant is completed and with sufficient capacity to handle all the refuse of the City, the present old plant now operated by the Sanitary Reduction Company will be removed by the Contractor without expense to the City, other than a franchise or contract granting the same privileges now granted to the Sanitary Reduction Company. In compensation for the franchise to be granted by the City, Mr. Boggs agrees to pay to the City $15,000 at the end of the first year after receiving

possession of the property, $20,000 the second year, $25,000 the third year, $30,000 the fourth year, and $35,000 for the fifth year and each year thereafter up to and including the 30th year, which 30 years shall represent a franchise period requested by Mr. Boggs in consideration for his payments to the City and for the supply of his incinerating plant complete and the removal of the present plant without further expense to the City.

The City shall have a right to terminate the franchise and take over the entire plant at any time after it is in full operation, by paying an amount to the Contractor on which the net annual earnings show a 10 per cent profit. Should the City not desire to terminate the franchise and take over the plant until the end of the franchise period of 30 years, the entire plant is then to become the property of the City without any compensation to the Contractor.

Proposition No. 2. Mr. Boggs proposes to dispose of the refuse of the City by the same method and on the same terms and conditions as proposed by Mr. Richard Schmidt, except that payments to the City shall be 12 cents per ton of refuse delivered by the scavengers and with the further exception that the City shall have the right to terminate any contract made with Mr. Boggs in this matter on a 6 months' notice and a payment of twice the amount of the net profits that can be shown for the previous year's business of disposal.

With reference to the Boggs-Carson Multiple Unit Destructor, as mentioned above, there is no incinerator of this type in practical operation. The chemical actions and re-actions in the process, as described by Mr. Boggs and Mr. Carson, might seem to offer at least a partial solution for the destruction of garbage and refuse, but it is impossible to form an opinion of the practical results to be obtained without some demonstration of the principal features involved in the whole process of the destruction of refuse.

Mr. Boggs' Proposition No. 2 is to be considered with reference to the proposals for burial of garbage which are commented on later in this report.

Fred Linderman, under date of July 22, 1915, proposed to accept all refuse from the scavengers as at present handled by them, and he will convey and load same on his vessels at any selected point or points, collect charges from the scavengers of 60 cents per ton, pay the wharfage charges for vessels and assume the whole responsibility for the disposal of the refuse at sea for the sum of 58 cents per ton, covering a contract for not less than two years and a minimum quantity of 400 tons per day.

It was proposed to use similar equipment to that employed in his contract with Oakland and Berkeley. Owing to the fact that the vessel employed by Linderman in his contract with Oakland and Berkeley for the removal of the refuse to sea was recently wrecked, it is probable that this proposal by Mr. Linderman lapses.

It is not known whether the vessel employed by the Contractor to carry the refuse from Oakland and Berkeley actually complied with the State law which was amended about three years ago, to the effect that garbage may be dumped into the Ocean at any place not less than 20 miles from land, but from a number of complaints that have resulted from time to time it is probable that much of the material was dumped within less than 20 miles from land.

E. G. Borden, under date of December 3, 1914, offered to build a complete destructor of 50 tons capacity, free of cost to the City on site to be selected and supplied by the City. The Contractor will guarantee absolute combustion, free from all gases escaping into the atmosphere. After definite proof of the satisfactory operation of the incinerator the Contractor will sell to the City the original plant at its cost and charge the sum of $50,000 for the use of the patents under which the incinerator is built, during their lifetime.

This incinerator is a product of the Hydro-Vacuum Smelting Company, built under what is known as the Heslewood patents. During this last summer one of these furnaces was built as an experimental plant at the John Finn Metal

Works, 384 Second Street, this city, and a trial of this plant was made in October, 1915.

The plant is an experiment in the design, construction and operation of a special closed top furnace of the iron smelting type to treat sulphide or other so-called rebellious ores and is connected with a condensing and wash-water apparatus for washing the waste gases and products of combustion from the cupola in such manner that objectionable odors shall be removed from the escaping gases and any valuable by-products may be saved. It was considered by the Company to be a practical method for destroying refuse and the experiment was to try out this possibility. The experiment showed that garbage can be destroyed in a furnace of the type used, but it did not demonstrate that the waste gases may be so purified or cleansed that the escaping vapors shall carry no odor. This is not to say that the waste gases may not be cleansed of odor or other objectionable features by some modification or extension of the process employed by the Company, but is simply a statement that the washing or cleaning operation as employed in the experiment was not effective.

The expense of operating this experimental plant was not a satisfactory basis upon which to estimate probable working costs for a commercial plant. It can be said of this as of a number of other untried processes that it will be necessary to make experiments on a more nearly commercial scale to show what actual costs may be. As above stated, the process applies primarily for the reduction of rebellious ores and since the time the proposition was made it is understood that Mr. Heslewood is not particularly interested in the application of his furnace for the destruction of garbage.

The City Disposal Company, Joseph F. Lahaney, President and Manager, under date of May 12, 1914, asks for an opportunity to bid upon a franchise covering the disposal of garbage or swill.

San Francisco Disposal Company, Charles Turner, President and General Manager, under date of June 23, 1914, made a proposition to the City as follows:—

In the first place it will be necessary to have a separation of the waste materials of the source, that is to say, at the households—one receptacle for garbage or swill and another for general rubbish or waste. They assume that about one-third of the total refuse collected in San Francisco, or about 150 tons per day, is garbage or swill. They proposed to receive and dispose of garbage from 150 to 200 tons daily for a period of 10 years, requiring the right to charge and collect from scavengers 60 cents per ton for all garbage delivered, and they will obligate themselves to take care of all garbage produced during the period of contract and will give satisfactory option to the City to buy the plant at any time during the franchise period. The Company makes no proposal for disposition of general waste, merely suggests that it can be destroyed in the present plant now operated by the Sanitary Reduction Company.

The San Francisco Disposal Company's plant is located in Butchertown, at Evans Avenue and Keith Street. This company now takes the swill from hotels and restaurants in the City and the method employed for disposal is that known as the reduction process which recovers from garbage commercial products such as grease and fertilizer. The communication also suggests the rebuilding of part of the old plant of the Sanitary Reduction Company and putting it in better shape for destroying waste.

Richard Schmidt, under date of December 17, 1914, and subsequently under date of December 8, 1915, through his attorney, Hiram W. Johnson, Jr., submits a proposal for the receipt and disposition of refuse, waste and garbage in amounts up to 500 tons daily, excepting such garbage as the City may desire to incinerate in its own plant, requesting a franchise period of 35 years during which time there shall be paid to the City nothing for the first 3 months, 2 cents per ton for the second three months, 3 cents per ton for the third 3 months

and 4 cents per ton for the fourth 3 months of the first year, and 4 cents per ton for all time thereafter during the life of the franchise.

Mr. Schmidt, through his attorneys, submitted a proposal of agreement for consideration, as follows:—

1. That all refuse and garbage shall be collected by scavengers and delivered by them at such places and during such hours as may be designated by the City Engineer, and the Contractor shall be authorized to charge and collect from scavengers for receiving and disposing of the waste the sum of 60 cents per ton.

2. The Contractor shall receive such refuse at the places and times designated and convey and dispose of it or deposit same in cars and remove to the place of final disposal within 24 hours after having been delivered by the scavengers.

3. The Contractor shall dispose of the refuse by dumping on waste land in such manner that it shall be sanitary and shall be treated by a privately owned process of Mr. Schmidt in such manner that it will not become a nuisance. The places for fills or dumps within the City and County shall be approved by the Board of Supervisors and no salvaging shall be conducted except on the fills and dumps.

4. All notices or directions to Contractor, except orders or ordinances from the Board of Supervisors, shall be in writing.

5. Contractor shall have the right at his option to enclose the places for dumps or where fills are being made and may prevent unauthorized persons from entering upon such dumps.

6. The Contractor shall enter upon the performance of this contract within 90 days after execution of agreement and shall continue the disposal of all waste during the full term of agreement.

7. The Contractor shall execute a bond in a sufficient sum to guarantee faithful performance of the contract, and the bond shall indemnify the City against all damage to person or property by any act of Contractor, except such acts as are authorized or approved by the City, and the bond shall also indemnify the City against liability to employes of the Contractor.

8. If, for any reason, other than may result from the fault of the Contractor, the refuse delivered by the scavengers shall be reduced to less than 200 tons per day, the Contractor shall not be required to pay anything to the City, or should the amount be reduced to less than 100 tons per day, the City shall be obliged, at the option and request of the Contractor, to purchase all physical appliances and structures employed in the disposal of such refuse at a reasonable value to be ascertained by appraisal, and this reasonable value shall be paid in full satisfaction of contract or franchise.

The terms proposed by Mr. Schmidt, upon which the City, at the option of the Contractor, shall take over the plant and the business of the Contractor, state that the valuation shall be ascertained in the following manner:—

The City shall pay to the Contractor a sum of money equal to 10 times the amount of the net profits from the Contractor's operations for the 12 months next preceding the period when the City began to operate its own plant and if taken over by the City after 25 years immediately succeeding the date of contract the payment to the Contractor shall be equal to a sum of money which shall be 9 times such net profits if taken over by the City during the first year succeeding the 25-year period, or 8 times if taken over during the 27th year, 7 times if taken over during the 28th year, and so on until the amount to be paid the Contractor shall be diminished by one for each year until the 9th year succeeding the 25th year period, which 25 years shall be the 25 years immediately succeeding the date of contract.

These prices are based upon the assumption that the City shall take over and operate the plant and business of the Contractor, conducting it in practically

the same manner as proposed by the Contractor, but in the event that the City should take over the plant for the purpose of discontinuing the operation under the terms of the franchise and does not intend to use the plant or the method or should decide to enter upon a plan for the disposal of refuse essentially different from that under the operations of the franchise, then the amount to be paid the Contractor shall be the amount previously mentioned less the appraised valuation of the physical property and appliances which the Contractor may retain. Should the franchise be permitted to run for the full term of 35 years, the whole plant shall then become the property of the City without any payment whatsoever therefor, and it may take immediate possession.

Mr. Schmidt's attorney, under date of December 8, 1915, submitted some variations in the detail of the original proposals to the general effect that Mr. Schmidt would consider—that the franchise period of 35 years mentioned could be changed to 5 years or any other term that would be acceptable to the Board of Supervisors, so that a shortening of contract term should fit into proposal as originally made.

2. The location of the ground or the area into which garbage is to be dumped will be under the complete supervision and approval of the City authorities.

3. Sanitary inspectors shall be appointed in any reasonable number, one-half of expense to be paid by the Contractor.

4. Mr. Schmidt will give bond in any reasonable amount for faithful performance of work and any change in the proposal or terms of the proposal along fair and equitable lines or any change to meet objections that may be made in regard to the proposal will be met by Mr. Schmidt.

In this connection I would refer to the report made to the Board of Public Health by Dr. Hassler, the Health Officer, under date of November 9, 1915, which refers particularly to the proposition submitted by Mr. Schmidt:

"This plan of disposal is open to the following objections:

"1. The character of the receiving stations, class of construction, whether enclosed or open, the provisions of cleansing and sterilization, provisions for authority and inspection with payment for inspectors are all overlooked; likewise no consideration has been given the question of rats, flies, vermin, odors and the general nuisance to the neighborhood.

"2. At the several receiving stations there must be an aggregate of from 40 to 60 ordinary freight cars standing open all day long, for the agreement permits the retention of refuse at the receiving stations for a period of twenty-four hours, which means these stations need never be free from garbage.

"3. These receiving stations will be designated by the City Engineer and the City, therefore, becomes a partner with the Contractor in maintaining what at any time may become a public nuisance.

"4. The final disposal is to be by dumping and burial. Dumping and burial of garbage is a bad practice for the reason that it means a putrefying, offensive mass that in spite of the covering will give rise to foul odors and retard the installation of permanent improvements for a long period of time. In all places where garbage has been used as a fill and the site subsequently used as a place of business or residence, it is a matter of record that the incidence of communicable disease is greater among those residents than in other sections. Such fills are also a natural harboring and breeding place for rats, flies, vermin, etc.

"San Francisco, with its plague experience, must always guard against the creation and maintenance of rat harbors, and I believe that it would be impossible to cover a fill of garbage with a sufficient amount to earth to properly neutralize the inherent dangers of putrefaction and prevent a nuisance.

"The agreement states that the Contractor is to cover with a thin layer of earth, but there are no specifications as to the amount, character or composition

of earth to be used, not any length of time as to how long dumped garbage may lie exposed before covering with earth. Likewise there is no provision for authority of inspectors over the contractor nor for the payment of inspectors representing the City. When it is considered that a day's refuse of San Francisco will cover from one-fourth to one-third of an acre to a depth of six feet, the insufficiency of the agreement is very evident.

"Note:—The matter of disinfecting garbage by spraying with a solution as suggested by one of the parties interested in obtaining a contract is not a practical procedure for abating the noisome odors or the nuisance which might arise from rats and flies, for the reason that unless the garbage is thoroughly saturated it would be absolutely ineffective, and saturation with a disinfecting solution delays the organic decomposition and final destruction of the garbage.

"5. As a form of agreement, it is all in favor of the contractor, the City becomes a partner by designating the sites and in my judgment becomes liable for damages is case adjacent property is injured by reason of the dumps.

"The City guarantees the Contractor the privileges of his contract and agrees to give the Contractor all the wastes of, or to be collected by the City (see paragraph 9) and failing to do something it cannot do the City would be liable for damages to the Contractor. The City is to be paid a certain sum per ton, but makes no provision for payment of weighers, clerks, inspectors, etc., in order to check and record the tonnage.

"6. In the ninth paragraph there is a definite statement that no ordinances, sanitary regulations or requirements shall abrogate the provisions of the contract.

"7. A final paragraph refers to default of contractor to perform his duties, but nowhere are his duties defined, except in the haziest possible manner. The franchise is to run for thirty-five (35) years and can only be terminated by the City constructing and municipally operating its own incinerating plant.

"It must 'construct' its own incinerating plant.

"It must municipally operate its own plant.

"It must be an incinerating plant and no other means of disposal.

"Even if it does all these things, it can resume control only by paying many times the 'net profits' of the contractor, while 'net profits' are to be the basis of purchase there is no provision for securing a check upon the Contractor's own figures".

I am in accord with Dr. Hassler, wherein he states in the concluding paragraph of his report as follows:—

"I feel assured that any garbage dumped would be looked upon with considerable suspicion and disfavor."

I also quote from a statement of Calvin S. White of the Oregon State Board of Health, wherein he writes, under date of November 2, 1915, as follows:—

"I am most vigorously opposed to any fills or permanent improvements being made from garbage. The plan, I understand, has been tried out in Seattle and pressure has been brought to bear on the local health authorities by those interested to endorse the measure, although now I think it has been discontinued there. It was tried here in one of the gulches for a few weeks, but the well-founded complaints of all the people living in the neighborhood was sufficient to have it stopped. It is a breeding place for rats and flies, gives rise to foul odors, no permanent improvements can be built over such a fill without handling the putrified mass and in my judgment cannot but be a source of contamination. My own opinion is that the only way to dispose of garbage is to take all that is fit for fertilizer back to the land and have the rest incinerated. It is true in our City and perhaps in yours that there is not sufficient demand to warrant the saving of by-products such as grease, soap, bones, etc., and the waste of paper that cannot be used over is of course considerable, and at the present time the only plan I would endorse would be one that had the total destruction of all putrefactive material as its prime object".

These same remarks apply to the alternative proposal of Messrs. Smith, Harding and Monroe, to Proposition No. 2 of A. G. Boggs, and particularly to the alternative of the proposition from Fred Linderman, the alternative being the periods where the City might be compelled to dispose of its refuse by burial when it would be impossible for the vessel to carry the refuse to sea at periods of storm or weather stress, or a recurrence of the present disaster. Oakland has been compelled to resort to fill in low lying land and the authorities are finding themselves in an unpleasant situation. Berkeley, I understand, has been compelled to start its own incinerator even though it has to be run at considerable loss.

The Harris Municipal Garbage Incinerator and Steam Generator Company, under date of November 15, 1915, submit plans and specifications for incinerator and steam generator. This concern proposes to furnish plans and specifications and a supervising engineer at an agreed-upon price, and the City is to build the plant at its own expense. Should the guarantee of inoffensive and satisfactory operation not be met there would be no charge for services, and plans, etc., but should the guarantees be met the City should pay to J. B. Harris a royalty of $50 per ton of plant capacity as total final royalty—for example, 600 tons daily capacity of plant, $30,000 royalty. J. B. Harris guarantees the sanitary destruction of refuse at a profit of approximately 60 cents per ton, after allowing 6 per cent interest on investment, 4 per cent sinking fund for repairs and all labor, but this has to assume a certain profit to be derived from the generation of steam, as otherwise there could be no definite profit in such a plant.

The general type of this plant is somewhat similar to the Decarie Incinerator in that the grates of the furnace consist of water tubes and the arrangement of these water tubes forms a steam generator resembling in a way a Sterling water tube boiler. There does not appear to be any example of this incinerator in operation.

The life of this furnace or incinerator would be the life of the weakest joint in the water tube boiler, and it is a device that cannot be recommended for application.

J. E. Briggs, Pacific Coast Agent of the Decarie Incinerator Company, offers a number of letters giving data on operation and costs of Decarie Incinerators. Also states that he feels certain he can save the City a substantial amount in the cost of construction of an incinerator and also in cost of operation and general efficiency.

The Decarie Incinerator is another with the water tube type of grates, and the same remark applies to this as to the Harris, in that the continuity of operation will depend upon the strength of the weakest pipe joint in the furnace.

Mr. Briggs has no definite proposal to make, however, and it must be assumed that he is only in position to make bids or proposals for Decarie Incinerator should the City undertake to build one or more incinerating plants.

R. E. Tilden, consulting civil and hydraulic engineer, Winnemucca, Nevada, offers for consideration an incinerating plant of the Dixon type with some improvements by W. G. Kirkpatrick of Birmingham, Alabama.

This incinerator is of the small capacity type, well adapted for the smaller towns or where labor and fuel are cheap and where the smoke and odors would be of such comparatively small volume and amounts as to be practically negligible.

The refuse is dumped on the floor and the furnace fed by hand. The whole operation is by hand and the capacity of furnace is about two tons per hour.

A number of these furnaces are said to be in operation in the Southern States—Birmingham, Alabama; Augusta, Georgia; San Antonio, Texas.

Mr. Kirkpatrick's relation to the installation of an incinerator is that of an engineer, solely. He furnishes plans and specifications upon which local contractors bid for the supply and erection of the incinerator. He charges engineering fee, but holds no patent rights. Mr. Kirkpatrick says the plant is no more

objectionable or offensive than a livery stable and does not give out as much odor, and that the objections to this plant being centrally located for convenience of garbage delivery are mostly sentimental, such as not wanting to see the garbage carts passing.

Mr. Tilden is western correspondent of Mr. Kirkpatrick. Mr. Tilden has no proposition to make to the City. He simply offers the design of the Dixon incinerating furnace as modified and improved by Mr. Kirkpatrick for consideration here should the City decide to erect any plants of its own.

It will be noted that each proposition contains a guarantee of operation that the proposed method of disposal will be inoffensive, odorless and otherwise unobjectionable.

Messrs. Collins & Pellett propose to guarantee "by an acceptable bond that their incinerator will be without any offensive odors or gases and practically smokeless in operation".

Neil H. McKay will furnish bonds in a solvent surety company for the fulfillment and faithful performance" of guarantee that "the plant will be odorless and inoffensive".

Messrs. Smith, Harding and Monroe say: "No nuisance or offensive conditions such as noxious odors or gases, dust, smoke, fumes or vapors shall be caused by the process or means of disposal to exits or prevail inside or outside the plant", and "there shall be no heavy nor offensive smoke from the chimney at any time from burning refuse." Regarding the proposed reconstruction of the plant now operated by Sanitary Reduction Company, they will "increase its capacity and all nuisance features of smoke, dust and odor will be entirely abated".

Mr. Boggs says his "multiple unit plant shall be absolutely fumeless and odorless and sanitary in every respect".

E. G. Borden will "guarantee absolute combustion with no escaping gases".

Richard Schmidt proposes to handle the refuse in a manner "that shall be entirely sanitary and shall be treated to prevent same from becoming a nuisance", and "will give a bond in any reasonable amount" for satisfactory performance.

J. B. Harris "guarantees" inoffensive and satisfactory operation by the use of his system.

It appears to be the custom among promoters and sales agents and manufacturers of incinerators to offer guarantees for the successful and satisfactory operation of their several plants, and it is possible that much of their optimism is based on the hope or expectation of being able to "get away with it". Unfortunately however, there are numerous instances of application where success has not been achieved.

The general and most recent history of the treatment and disposal of refuse in the United States consists of a long line of failures to meet the requirements of the more recently developed sanitary laws and health consciousness. There are reputed to be some successful methods in operation in some of the larger cities and a close hand study of some of these plants would be of value in our further investigation.

To quote from Page 54 of the Final Report of the Grand Jury of the City and County of San Francisco for the term beginning December 16, 1914, and ending December 14, 1915:—

"Apparently the art of incineration is by no means fully developed. An incinerator recently installed at Berkeley has been closed down, and of the four recently constructed in Seattle the use of two has been discontinued. Before the City Engineer can make the logical recommendation as to what steps are to be taken in the treatment of this problem, a comprehensive study should be made of the entire subject of garbage disposal. The most efficient and reliable way of gathering this data is by personal inspection, which will involve the expenditure of about $2,500. In view of the importance of the problem and the very large expenditures already made by the City of San Francisco, amounting in all to

$699,000, the wisdom of such a study should be apparent to the Board of Supervisors".

There can be little question that the incineration method is the proper one for the final disposal of refuse, and it must be admitted that the burial or dumping method is of a temporary nature only.

Before being in a satisfactory position to advise upon the numerous propositions submitted, or to recommend any particular design of incinerator, it is desirable, and I recommend, that funds be made available to the extent of $2,500 to meet the expense of investigating the methods used in garbage disposal in several cities of the United States that have a population of upwards of 500,000.

1908 BONDS FOR GARBAGE DISPOSAL SYSTEM—JUNE 20, 1916.

Memorandum of cash on hand, as per attached statement, not allowing for any further liabilities on account of purchase price of incinerators from Destructor Company.

Total cash on hand		$243,643.63
From this cash balance should be allowed the following, which will be expended whether the Destructor Company wins or loses suit:—		
Owing to Sanitary Reduction Works on Plant	$50,000.00	
To be expended in investigations during suit and in investigations of various methods of garbage incineration	971.42	50,971.42
		$192,672.22
Amount of bonds unsold		120,000.00
Balance on hand after paying liabilities and expenses, but not including further payments to Destructor Company		$312,672.22

GARBAGE DISPOSAL SYSTEM—BOND ISSUE OF 1908.

FINANCIAL STATEMENT, JUNE 20, 1916.

Total appropriations June 20, 1916	$840,110.58
Total surplus from appropriations to be returned to fund	87,678.80
Net total appropriations June 20, 1916, including $50,000.00 due Sanitary Reduction Works	$752,431.78
Total bonds sold	$880,000.00
Premiums on bonds	65,104.00
Total amount available June 20, 1916	$945,104.00
Net total appropriations June 20, 1916	$752,431.78
(Including amount due but not appropriated for Sanitary Reduction Works)	
Net amount available for appropriations on new work, assuming that no more will be paid Destructor Company on their contracts	$192,672.22
Amount of bonds authorized but not yet sold	120,000.00
Amount remaining in bond fund, after all bonds are sold and assuming no more payments on incinerator contracts	$312,672.22
Amount recoverable from Destructor Co. on account of payments made on incinerators:	
Islais Creek	$ 85,699.51
North Beach	43,194.26
	$128,893.77

(Williams shows a balance of $155.50 less than shown by this statement.)

	North Beach	Islais Creek
Contract price	$132,075.00	$123,141.00
Paid	43,194.26	85,699.51
Due Contractor	$ 88,880.74	$ 37,441.49

GARBAGE DISPOSAL SYSTEM—BOND ISSUE OF 1908. FINANCIAL STATEMENT, JUNE 20, 1916.

Description of Work	Expended	Required to Complete	Total Amount Required	Appropriation	Surplus
Lot at Islais Creek, Bd. of Supervisors	$ 15,000.00		$ 15,000.00	$ 15,000.00	
Lot at North Beach, Bd. of Supervisors	80,000.00		80,000.00	80,000.00	
Appraisements and Incidentals, Bd. of Supervisors	850.28		850.28	850.28	
Miscellaneous Expenses, Bd. of Supervisors	1,735.30		1,735.30	1,735.30	
Grading Islais Creek Lot and Foundation Piers for Building	11,951.90		11,951.90	18,000.00	$ 6,048.10
City Engineer's Salary (part)	175.00		175.00	175.00	
Water Mains on Kansas St. for Islais Creek Incin.	230.38		230.38	350.00	119.62
Four (4) 60-ton Furnaces for Islais Creek and North Beach Plants	141,787.67		141,787.67	260,000.00	118,212.33
Islais Creek Incinerator Building	76,781.88		76,781.88	90,000.00	13,218.12
Plans and Specifications, No. 1	10,919.37		10,919.37	11,000.00	80.63
Plans and Specifications, No. 2	11,566.08	933.92	12,500.00	12,500.00	
Engineer's Investigation in Incinerator Suits in Federal Court	462.50	37.50	500.00	500.00	
Sanitary Reduction Works (Lands)	350,000.00	50,000.00	400,000.00	350,000.00	50,000.00*
	$701,460.36	$50,971.42	$752,431.78	$840,110.58	$137,678.80
				Deficit	50,000.00
				Net Surplus	$ 87,678.80

* Deficit.

Williams shows expended	$701,615.86
We show	701,460.36
Difference	$ 155.50

DIVISION OF SURVEYS.

During the past fiscal year a total of 1827 orders for surveys were received at the public counter. Of these 59 were for lot surveys and 1768 were for surveys for public improvements and in answer to petitions or complaints. They include approximately as follows:: 5,304 blocks and crossings, a total length of 2,545,920 lineal feet, or 482 miles.

Precise levels were run, covering 1075 blocks and crossings, or about 210 miles; total number of bench marks rechecked and established, 2,505.

Approximate totals are as follows:—

6,379 blocks and crossings, 3,654,720 lineal feet of 692 miles.

Fees collected and turned over to the City Treasurer, $20,623.25.

Following is a detailed description of the work performed:—

SURVEYS.

Made for	Number	
Public Contracts	526	
Private Contracts	265	
Street Repair Department	71	
Division of Sewers	121	
Board of Public Works Commission	349	
Superintendent of Public Buildings	2	
City Architect	8	
City Attorney	1	
Bureau of Engineering	424	1767

LOT SURVEYS.

Private Owners	40	
City Architect	13	
Board of Public Works Commission	1	
Superintendent of Public Buildings	6	60
Total		1827

The following Precise Level Bench Marks were established or reconstructed in the different districts of the City during the fiscal year ending June 30, 1916:—

Districts	Bench Marks
50 Vara	122
100 Vara	177
Mission	467
Western Addition	88
Potrero	614
Richmond	295
Sunset	112
Other Districts	630
Total	2505

Number of miles covered, 210.

In addition to the daily surveys above enumerated, work has been advanced on the following projects:—

Circular Avenue widening.

France Avenue, etc., street extensions.

Surveying for the purpose of connecting or tying together the Potrero and South San Francisco districts, bounded by Oakdale Avenue, Railroad Avenue, Army Street and San Bruno Avenue, including Jerrold Avenue, Evans Avenue and interior streets.

Re-locating and defining the street lines and placing street monuments in streets of Panama-Pacific Exposition grounds.

Twin Peaks Scenic Boulevard (preliminary work).

Making map and checking descriptions of Chenery and Diamond Streets for City Attorney.

Holly Park District, fixing monument lines.

Market Street Extension, 24th to Stanford Heights, westerly line. (Preliminary work).

San Bruno Avenue through Bay Shore Tract.

Surveying and establishing grades on Twin Peaks Terrace.

Twin Peaks Boulevard Extension (Park Hill Avenue), locating improvements, cross-sections, profiles, etc.

Judson Avenue Extension.

Phelan Avenue Extension.

San Jose Avenue Widening, locating improvements, buildings, etc., profiles for grades.

Hunters Point Road Survey.

Clarendon Avenue, St. Germain to Ashbury Street.

Surveying, checking monuments, street and monument lines in Geary Street, 12th to 48th Avenue; Fulton Street, 12th Avenue to Great Highway; and 16th, 19th, 26th and 47th Avenues between Geary and Fulton Streets.

4th and 5th Avenues, California and Cornwall Streets, encroachments. (City Attorney).

Spreckels Street, South of Sunnydale.

Edna Street, new street opened between Sunnyside and Melrose Avenues.

FEES RECEIVED FOR SURVEYS.

1915	For Public Improvements	For Private Improvements
July	$ 1,532.50	$ 25.00
August	2,079.25	75.00
September	1,479.50	105.00
October	1,840.00	52.50
November	1,446.00	118.00
December	1,578.50	80.00
1916		
January	681.00	50.00
February	1,865.00	80.00
March	1,697.75	25.00
April	2,094.00	166.70
May	1,837.05	127.50
June	1,500.00	87.50
	$19,631.05	992.20
		19,631.05
Grand total		$20,623.25

CURRENT WORK ON HAND.

The following orders for surveys for public improvements are now on our books:—

Mission District	3
50 Vara District	5
100 Vara District	4
Potrero District	7
Richmond District	9
Sunset District	5
Western Addition	3
Homesteads	15
Total number of orders	51

Orders average about three blocks per order, making a total of about 153 blocks plus the crossings.

To keep up the current work with the annual budget allowance is indeed a most difficult task. Yet, we are expected under the annual budget allowance to carry on all special projects and restoration work without additional funds.

The amount of current work performed under public and private contracts for the improvement of public streets, parks, etc., during the last ten years, from April 18, 1906, to July 1, 1916, has reached the enormous sum of $13,195,907, about 1½ millions per year. This one item alone (current work) has required surveys covering 52,187,520 lineal feet. The fees collected and turned into the City Treasury for said work amounts to $211,572.45.

The current work at the present time is far in excess of any time since the fire of 1906, and does not include any special projects or restoration work.

TESTING LABORATORY.

It has been found expedient and economical for the Bureau of Engineering to conduct its own testing laboratory. Here are tested samples of all materials used in City construction, including asphaltum, building and paving brick, steel, bronze and cast iron, cement and concrete, paint and oil, rock, sand and water.

In February, 1916, the laboratory was moved to the new City Hall, where larger quarters have been provided in a location in the basement, easily accessible for the delivery of heavy samples, and where a firm foundation for the heavy testing machines was obtainable.

Expenditures for chemicals and supplies during the past year amounted to $583.75, and the total cost of operating the laboratory, including purchase of materials, amounted to $5,383.75. The total number of tests completed during the year amounted to 8329.

YEARLY REPORT TESTING LABORATORY, BOARD OF PUBLIC WORKS, FISCAL YEAR 1915-1916
SHOWING THE CHARACTER OF THE MATERIALS AND THE TESTS MADE.

			1915						1916						
No.	Material	Tests Made	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	Totals
1	Asphaltum	Penetration	20	66	55	96	52	52	18	29	18	42	58	70	576
2	Asp. Surf.	Analysis	136	188	172	230	128	130	40	72	48	156	120	156	1576
3	Brick, Bld.	Compression	6	16	9	12	12							9	64
4	Brick, Pav.	Rattler	7	5	9	18	15	12		12	12	6	14	12	122
5	Bronze	Tension	28	4										12	44
6	Bronze	Compression					4	6							10
7	Cast Iron	Cross Bend		28	40		4							28	100
8	Cement	Strength, etc.	306	162	90	261	396	450	216	261	315	324	378	495	3654
9	Concrete	Chemical												3	3
10	Creosote	Chemical				4									4
11	Concrete	Compression	4			16				9	12	4			45
12	Gal. Pipe	Chemical		8									24	13	45
13	Gasoline	Distillation				8									8
14	Lime Hyd.	Soundness, Fine	1	5	4	6	6	6	3		6	4	4	4	49
15	Linoleum	Physical		8											8
16	Lub. Oils	Physical	7						4					188	199
17	Paint	Chemical				4					12	8	6	6	36
18	Rock	Grading	8	10	14	12	12	16	8		8		12	8	108
19	Sand	Fineness	12	10	10	16	16		16		12	16	16	12	136
20	Soap	Chemical				5								6	11
21	Soil	Chemical										51			51
22	Steel	Bending	72	60	36	25	36	52	22	75	96	60	141	40	715
23	Steel	Tension	72	60	38	25	32	48	25	75	96	69	144	40	719
24	Terne Plte	Chemical							20						20
25	Water	Chemical	4										4		8
26	Wire	Chemical								9	9				18
	Totals		683	630	472	738	713	772	372	542	644	740	921	1102	8329

PHOTOGRAPHIC AND BLUEPRINT DEPARTMENT.

The work of the Photographic Department connected with the Bureau of Engineering has been considerably broadened during the past fiscal year. Heretofore most of the work was performed for the Bureau of Engineering but arrangements have been perfected whereby any department of the City government can have photographs made at cost by the Engineer's photographer.

The photographic laboratory has been installed in specially designed quarters on the roof the new City Hall. Equipment of the latest type has been added and the results obtained have proven that the policy of the City doing its own photographic work is economical.

The great advantage that accrues to the City from having this bureau is that plans of contemplated improvements can be safeguarded better than if the work were done by outside photographers.

City Attorney's Report

San Francisco, Cal., August 1, 1916.

Hon. James Rolph, Jr.,
Mayor of the City and County of San Francisco.

Sir:—

In compliance with the requirements of Section 9, Article XVI of the Charter of the City and County of San Francisco, I have the honor to submit the following as my report as City Attorney for the fiscal year, 1915-16.

PERCY V. LONG.

FOREWORD.

In presenting this my Annual Report as City Attorney for the fiscal year 1915-16, I want to express to the entire staff of the City Attorney's office my appreciation and gratitude for their loyal support and intelligent and efficient assistance rendered not only during the past fiscal year, but during the many years of my incumbency of the office of City Attorney. It is with great regret I sever my relations with the City government, and with a sense of keen personal loss do I leave my office associates who have given the City and County of San Francisco such splendid service.

PERCY V. LONG.

August 5, 1916.

RATE LITIGATION.

During the last fiscal year an immense amount of work has devolved upon the City Attorney's office in the trial and preparation for trial of rate cases.

There were pending, during this year, in the Federal Court, eight cases brought by the Spring Valley Water Company against the city to enjoin water rates; three cases brought by the Pacific Gas & Electric Company to enjoin gas rates; one case brought by the same company to enjoin electric rates; and one case brought by the Pacific Telephone & Telegraph Company to enjoin telephone rates. There were also pending, in the Railroad Commission, four applications filed by direction of the Board of Supervisors requesting the Railroad Commission to fix the rates to be charged for the future by each of the four utilities just mentioned, that is, water, gas, electric and telephone.

The present status of the litigation is as follows:

Eight water cases have been consolidated and tried, and the argument will be completed within a few weeks. The application for reduction of gas rates, of the Railroad Commission, has been tried so far as the city's side of the case is concerned, and this will also be submitted within a very short time. The remaining cases are ready for trial, and will be taken up as fast as the Court and Commission calendars permits, the necessary preparation on the part of the city having been practically completed for the gas cases, and in the course of completion for the others.

The magnitude and importance of this litigation warrants a discussion in a little further detail.

SPRING VALLEY WATER RATE CASE.

The Spring Valley cases in the District Court involve the constitutionality of water rates passed by the Supervisors for the years 1907-8 to 1914-15, inclusive.

Each year the Company has applied to the federal court and obtained a temporary restraining order enjoining the enforcement of the water-rate ordinance passed by the Board of Supervisors for that year, and the excess money over the rates collected under authority of the federal court was impounded in various banks in the city and held subject to the order of the court, pending final decision.

Owing to no less than three determined attempts made by the municipal government and the Spring Valley Water Company during the years from 1909 to 1915, inclusive, to adjust their differences, settle these cases, and transfer the Company's property to the City at a stipulated price, the actual trial of the cases had been postponed from time to time with the thought in mind that the City would thereby be saved the enormous expense incident to this class of litigation. With the final decision of the people, in April, 1915, not to buy the Spring Valley properties at the price which had been submitted to them immediate steps were taken to press the rate litigation to trial, and all eight cases were consolidated for this purpose. The trial opened on July 15, 1915, before Hon. H. M. Wright,

Master in Chancery in the U. S. District Court, and continued without interruption until May 5, 1916. Seventy-two days were actually consumed in court; 83 witnesses testified; 11,179 pages of transcript constitute the record to date, in addition to which 230 exhibits, composed principally of maps, records, computations, etc., were filed.

The trial of these cases involved the valuation for rate-fixing purposes of the entire Spring Valley properties. This, in turn, necessitated the appraisal by real estate experts of 78,426 acres of land, varying in character from city lots, reservoir sites, country villas, farm lands and stock ranges. In addition to that engineering testimony was taken as to the value of the structures of the Company involving about 10,000 items which may be generally classified under the head of concrete dams and structures; earth dams; flumes; wrought-iron pipe; submarine pipe; cast-iron pipe; brickwork; tunnels; pumping stations; buildings; distribution reservoirs; and appurtenant miscellaneous structures of every kind and description.

The total valuation claimed by the Company's witnesses ranged from forty millions to 43,600,000. The valuation which Messrs. Dillman and Ellis sought to substantiate for the City after deducting property not necessary for present use was approximately twenty-two millions ($22,000,000). These figures give some idea of the diversity of opinion as to the rate basis to be used.

In addition to that a careful audit was made of the Company's income, operating expenses, taxes and reserves for the eight years in controversy by special accountants employed by this office, and deductions for expenditures not properly chargeable to the San Francisco rate payers were claimed, varying in amount from $22,000 for the year 1907-8 to $191,000 for the year 1912-13. This examination was in itself a stupendous task and involved practically two years of work on the part of Mr. Bailache and his assistants. Still other witnesses testified as to the value of the Company's water right; the proper rate of return to be allowed; classification of structures and lands not necessary for immediate use in supplying water.

It is needless to say that the labor of presenting a case involving such a wide range of technical evidence in the examination of so many expert witnesses was an arduous task as well as an expensive one. The total cost to the city for the year 1915-16, of this water-rate litigation was $58,473.00, practically all of which is accounted for in the payment of engineering and other expert witness fees, and the court costs.

A temporary department under the jurisdiction of this office, known as the valuation department, was created to handle the computation, drafting, stenographic, and general supervisory work incidental to the trial of these rate cases, and great economy has been effected through the concentration of all this work under one head. The total expense which has just been stated was less than one-fourth of the amount expended by the Spring Valley Water Company during the same period of time. Notwithstanding this wide discrepancy the City Attorney's office feels that the City's side of the case has been adequately presented. Over two millions of dollars are impounded awaiting the determination of these cases and, if the City is successful, will be distributed to the rate payers. The importance of an adequate presentation can thus be well understood.

GAS CASE.

No less important in its purpose, although much less expensive and laborious a task, was the presentation of the City's case before the Railroad Commission on application for reduction of the Company's rates in this City.

By direction of the Board of Supervisors, the City Attorney filed an application with the Railroad Commission, on the first day of which they took juris-

diction under the new law over the matter of rate fixing in this City and County, thus obtaining the right of way over the subsequently-filed applications of other municipalities.

A complete appraisal of the Gas property of the Pacific Gas & Electric Co. was made, and an audit of their books extending over several years. As a result of this examination, the City has presented a case showing that a considerable reduction should be made in the present gas rates. All of the work of this case was handled by the valuation department above referred to, and it was unnecessary to engage any outside engineers, the appraisal of gas properties being, as a general proposition, a much simpler task than that of appraising water works. A reduction of ten cents a thousand from the present rates charged would mean a saving to the gas rate payers of nearly $400,000 annually. The total expense of this case was only $4,244.

ELECTRICAL AND TELEPHONE CASES.

Owing to the pressure of the other litigation and the congestion of the federal court calendar resulting therefrom, it was impossible to make any progress in the trial of the Electric and Telephone cases during the current fiscal year. Preparation for trial of the same has, nevertheless, progressed through the efforts of the Valuation Department, and a large amount of preliminary checking of quantities and record costs has been made. The total expense of this branch of the work was only $1,045.00.

FUTURE.

An appropriation of $15,000 has been made by the Supervisors to carry this rate litigation forward during the fiscal year 1916-17, and the City Attorney's office anticipates during this year to practically complete the trial of these cases. Although they all require careful preparation and expert testimony none of the other cases involve anything like the expense or work in preparation that has been necessary in the water case. Of course the desirability of preventing a high court valuation on the water-works property has emphasized the necessity of an adequate presentation of that case from the city's point of view because of the effect such a valuation might have upon a future purchase price.

REPORT OF COSTS, JULY 1, 1915, TO JUNE 30, 1916, INCLUSIVE.

Spring Valley Water Case, before U. S. Court; Pacific Gas & Electric, (Gas Case) before California Railroad Commission, and Engineering Expenses in connection with Electric and Telephone investigation.

This account made up from demands paid by City during the above period, the total amount being $63,764.10, and detailed as follows:

SPRING VALLEY WATER CASE.

Engineering, Valuation Dept.	7,616.86	
Accounting, Valuation Dept.	2,136.00	
Stenographic, Typing, etc.	3,208.00	
Stationery and Misc. Supplies	1,039.79	
		14,000.65
Special and Court		
Expert Structural Engineers	17,721.87	
Real Estate Appraisals	9,627.90	
Water Rights	5,010.55	
Right of Way	1,087.70	
		33,448.02

U. S. Court costs and fees		11,025.15
Total Spring Valley Case		58,473.82

PACIFIC GAS & ELECT. (Gas Case)

Engineering, Valuation Dept.	1,425.00	
Accounting, Vauation Dept.	1,645.00	
Steno., Typing, etc.	513.50	
		3,583.50
Special and Court		
Expert Structural Engineers	390.00	
Real Estate Appraisals	250.00	
R. R. Commission Expense	20.85	
		660.85
		4,244.35

ELECTRIC AND TELEPHONE ENGINEERING.

Total	1,045.93

SUMMARY.

Spring Valley Water Case	58,473.82
Pacific Gas & Elect. (Gas Case)	4,244.35
Electric & Telephone Engineering	1,045.93
Total,—July 1, 1915, to June 30, 1916, Inc	63,764.10

UNITED RAILROADS OF SAN FRANCISCO VS. CITY AND COUNTY OF SAN FRANCISCO. SUTTER STREET RAILWAY COMPANY VS. CITY AND COUNTY OF SAN FRANCISCO.

On May 26th, 1915, the United Railroads of San Francisco and the Sutter Street Railway of San Francisco began independent actions to enjoin the C and D cars of the Municipal Railway from operating on Market Street between Kearny and Embarcadero and around the Loop.

The Superior Court issued an order to the City and County of San Francisco commanding the City and County to show cause why, pending the final determination of the action, an injunction pendente lite should not issue.

On Juy 6th, 1915, the Superior Court after hearing the order to show cause made an order granting an injunction pendente lite in both actions enjoining the City from operating the C and D lines on Market Street between Kearny and Embarcadero and around the Loop. These injunctions coming as they did in the midst of the P. P. I. E. would have seriously crippled the transportation facilities to the Exposition. Thereafter motion was made to the Superior Court for an order staying the operation of the injunction, pending an appeal to the Supreme Court of the orders granting the injunction pendente lite and on July 20th, 1915, the Superior Court made such an order. Thereafter, the Companies made an application to the Supreme Court for a writ of prohibition prohibiting the Superior Court from making the orders staying the operation of the injunctions pendente lite.

On August 5th, 1915, the Supreme Court granted the writ of prohibition and on August 7th, 1915, an appeal was taken from the orders granting the temporary injunctions.

Immediately the Companies secured orders to show cause why the Mayor, the Members of the Board of Public Works and the Superintendent of the Municipal Railway should not be punished for contempt for operating the C and D lines on Market Street during the time that the orders of the Superior Court staying the operation of the injunction were in effect.

A lengthy trial ensued and on September 14th, 1915, the Superior Court discharged the orders to show cause as to the Mayor and the Members of the Board of Public Works and adjudged the Superintendent of the Municipal Railway guilty of technical contempt. The Court in that proceeding held however that the appeal from the orders granting the injunction stayed the operations of the injunctions on the ground that the injunctions were mandatory in effect.

On September 20th, the Companies again made an application to the Court for an order to show cause why the Mayor, the Members of the Board of Public Works and the Superintendent of the Municipal Railway should not be punished for contempt for having operated the C and D lines on Market Street after the appeal from the orders had been taken. The Court refused to issue the orders to show cause upon the ground that the injuncitons were mandatory in effect and the appeal stayed the same.

On September 16th, 1915, upon application made by the Companies, the Supreme Court issued an alternative writ of mandate to the Superior Court which in effect ordered the Court to show cause why the Court should not issue the orders to show cause why the Mayor, the Board of Public Works and the Superintendent of Municipal Railway should not be punished for contempt in having operated the C and D lines on Market Street after the appeal had been taken from the orders granting the injunctions.

Pending the determination of the Supreme Court on a writ of mandate, the trail of the case on its merits took place before Department 1 of the Superior Court and on December 17th, 1915, judgment was ordered for the plaintiff, the United Railroads of San Francisco, enjoining the City from using the outer loop on the Embarcadero in the operation of the C and D lines and dissolving the injunction so far as it enjoined the City from operating the C and D lines on Market Street to the Embarcadero and gave judgment in favor of the City against the Sutter Street Railway and dissolving the temporary injunction issued in that case.

On February 9th, 1916, the Supreme Court ordered the writ of mandate as prayed for by the Companies commanding the Superior Court to issue the orders to show cause why the Mayor, the Members of the Board of Public Works and Superintendent of Municipal Railways should not be punished for contempt in having operated the C and D lines on Market Street during the time that the appeal from the orders granting the injunction was pending and overruled the ruling of the Superior Court of the City and County of San Francisco that the injunctions were mandatory.

On February 9th, 1916, the judgment was entered in favor of the United Railroads and immediately thereafter the City made application to the Harbor Commissioners for permission to operate the C and D lines around the loop, the judgment as already pointed out, only enjoining the City from the use of the tracks owned by the United Railroads on the Embarcadero. The Embarcadero is under the exclusive jurisdiction of the Harbor Commissioners and after hearing, the Harbor Commissioners revised the license under which the United Railroads was using the outer loop so as to permit the City to use the outer loop in conjunction with the United Railroads upon the City paying a just proportion of the cost of the tracks and appurtenances owned by the United Railroads. Pending the hearing, the United Railroads consented that the C and D cars might operate on Market Street and around the loop. The cars had continuously operated up to the date of the signing of the judgment in the case of the United Railroads vs. City and County of San Francisco when their operation was discontinued.

The consent of the United Railroads that the cars be permitted to operate around the outer loop pending the application made by the City to the Harbor Commissioners was received within three days after the cars ceased to operate and immediately thereafter the cars resumed operation.

Upon the order being made by the Harbor Commissioners the litigation between the City and the Companies was discontinued and the C and D cars are now operating on Market Street and around the outer loop in accordance with the license granted by the Harbor Commissioners. The cars ceased to operate only three days during litigation.

Between May 26th, 1915, and February 15th, 1916, practically the entire time was consumed in trials in court under the various features of the case as they arose. There was the trial on the order to show cause why the injunction should not be issued; the trial upon the application of the order staying the operation of the injunction, pending the appeal; the trial on orders to show cause why the Mayor, the Board of Public Works and Superintendent of Municipal Railways should not be punished for contempt; the trial in the Supreme Court upon application of the companies for the writ of prohibition; the actual trial of the case upon its merits and the trial in the Supreme Court again upon the application of the Companies for the writ of mandate compelling the Superior Court to issue the orders to show cause why the Mayor, Members of the Board of Public Works and the Superintendent of Municipal Railways should not be punished for contempt.

SUIT TO QUIET TITLE TO THE PROPERTIES OF THE CITY AND COUNTY OF SAN FRANCISCO LOCATED WITHIN ITS BOUNDARIES.

On the seventh day of June, 1916, Judge Cabannis signed the decree in the case of the "City and County vs. All Persons, No. 27011, Quiet Title Department".

This case was commenced in December, 1909, to quiet title to all the real property then owned by the City and County of San Francisco. This action is the same as that taken by private owners of property to insure the validity of their titles after the destruction of records in 1906, and it was of prime importance to the City to validate its title in like manner. Three hundred and ninety-four separate parcels of land were involved in the case. In most instances all records, deeds, etc., were destroyed in the fire of 1906. Each parcel had to be checked up from such old maps and block books as could be obtained, and compared and rechecked by the City Engineer's office. Some of this examination disclosed fatal errors in the description of several lots after suit was filed, and a new complaint covering this class of lots is now in course of preparation by this office.

Evidence was taken in Court on each separate piece of land to which the City claimed title, and, as the case was heard at odd times by the Court, the decree could not be obtained before the present time.

The decree on file quiets the City's title to land valued by the Assessor at $62,164,375.

By the procuring of this decree the City has effectually safeguarded its title to the various parcels of land owned by it from all attack in the Courts, and has terminated a case which involved a vast amount of intricate detail and difficulty.

SAN CHRISTINA TAX LITIGATION.

There have been a vast number of suits brought for the recovery of taxes paid under protest. These actions generally involve the validity of taxes levied over the dollar limit prescribed by the Charter. The first case to be brought to trial on the facts is entitled "San Christina Investment Company against the City and County of San Francisco," No. 35773, which is now pending before

Superior Judge Seawell of this City and County. This is for the recovery of taxes paid under protest for the fiscal year 1910-1911.

Being the first case tried out on the facts, it has been considered of very great importance, as it is in the nature of a test suit for that year.

The trial commenced on Nov. 29th, 1915, and extended over a period of some five months, allowing, however, for certain intermissions. The record of the testimony taken is made up of some 3000 typewritten pages. The testimony has all been introduced on both sides, and will be argued and finally submitted to the Court after the summer recess has terminated. Although there are some sixty-seven cases pending for the same fiscal year, involving claims in the amount of approximately $320,000, all of which more or less depend upon a correct termination of the San Christina case, this office was able to make a final presentation to the Superior Court of the facts at a cost of less than $4,000.

This was particularly gratifying when it is remembered that the case involved the validity of an excess levy of 29 cents to take care of conditions brought about by the earthquake and fire of 1906 with reference to, first, streets, sewers and public buildings; second, Fire Department Buildings and Equipment; third, Police Department Buildings and Equipment; fourth, School Buildings and Equipment; and fifth, Sanitation conditions. That is, this entire range of conditions as existing at the beginning of the fiscal year 1910-1911, and as brought about by the fire and earthquake of 1906, had to be made clear to the court.

This office feels particularly grateful to the different City Departments, to officials and employees, as well as to former City Officials and employees who were with the city at the time of the fire and up to 1910-11, for a most intelligent, accurate and complete presentation of the facts pertinent to the issues in this litigation.

A Charter Amendment adopted in 1915 has done much to vest additional power in the Board of Supervisors, so that the City will not face actions of this character in the future.

INDUSTRIAL ACCIDENTS

The adoption of the Workmen's Compensation Act, which became effective on January 1, 1914, has up to the present given rise to a remarkably small amount of litigation. This is doubtless due to the fact that the Board of Supervisors and the various Departments of the Municipal Government have treated claims for compensation with a liberality in keeping with the spirit of the Act. While approving heartily of the purpose of this Act and its beneficial effect upon the employee and the public service, it has nevertheless been the practice of this office in every case referred to it in which the facts were doubtful or disputed, or the right to compensation not clearly shown, to advise that the claim for compensation be rejected and the applicant left to his remedy by application to the Industrial Accident Commission. The procedure before this Commission is so simple and inexpensive that it is freely accessible to claimants, and by requiring them to resort to it in every case of the slightest doubt the City and County is secured from the danger of paying any unauthorized or improper claims and at the same time the rights of the employees are fully preserved.

In these cases before the Industrial Accident Commission the applicants as a rule are not represented by an attorney, and in such cases it has been the practice of this office to endeavor to place all the facts, those in favor of the applicant as well as those against him, before the Commission, to the end that complete justice might be done in every case.

During the fiscal year six applications for compensation against the City and County have been filed with the Industrial Accident Commission. Of these two have been decided in favor of, and two against, the City and County of San Francisco. The other two are still pending and undecided.

SUITS TO RECOVER TAXES PAID UNDER PROTEST.

In the year 1905 actions were brought by E. P. Connelly, and other persons, against the City and County of San Francisco to recover various sums of money paid to the City and County of San Francisco under protest as taxes included in the general tax levy made by the Supervisors of the City and County for the fiscal year ending June 30, 1905. The grounds of complaint were that the general tax levy for that year provided for a fund for the payment of principal and interest of certain municipal bonds ordered issued but which, at the time of the levy, were either unsold or have not been contracted for and further, that the general tax levy contained an item for the purpose of raising money for the payment of interest and to constitute a sinking fund for certain bonds known as "Telegraph Hill Bonds", which said bonds had not carried at an election held therefor. A bond election had been held on September 29, 1903. At this election all of the bonds voted for were carried except bonds for the improvement of Telegraph Hill, for the construction of Twin Peaks Tunnel and the acquisition of land for St. Mary's Square.

The complaining taxpayers paid such portion of their taxes as related to the above subjects under protest and also filed with the Board of Supervisors verified claims for the return of the portion of taxes claimed to be unlawful and brought their action under Sections 3819 and 3804 of the Political Code to recover the amount of the taxes so protested.

Under the authority of Law vs. City and County of San Francisco, 144 Cal. 396, it was held that the Telegraph Hill Improvement Bonds had not been carried by the people and that the levy of a tax to provide for the interest and sinking fund for such bonds was void. Also that a municipality is authorized to levy a tax only for those bonds which have either been sold or contracted for and so have become an obligation of the City, and that a tax levied for the payment of the interest on redemption of bonds which have not been sold or contracted to be sold at the time that the tax levy is made is unlawful.

It was further held that Section 3819 of the Political Code is not limited in its application to attacks upon the assessment, but that under the authority of said section, a tax-payer may attack the tax levy.

The Connelly case is repored in 164 Cal. at page 101. Following the lead of the Connelly case various taxpayers, upon grounds similar to these outlined above, protested the payment of a portion of their taxes for the fiscal year 1905-06. As a result of the decision in the Connelly case a large number of judgments were entered against the City and County of San Francisco in the Superior Court and paid. Sixty-three separate actions were commenced similar to the Connelly case involving the sum of $99,580.80, out of which cases judgments in the sum of $96,127.04 have been paid by the City.

No complaint was made of the ordinance fixing the tax levy for the year 1906-07, but in the following year the ordinance fixing the tax was attacked upon various grounds by a large number of taxpayers. The issues involved were determined in the case of Josselyn vs. City and County of San Francisco, which is reported in 168 Cal. 436. After trial in the Superior Court, in which judgment was rendered in favor of the plaintiff on two of plaintiff's contentions and against him on the third ground, appeals were taken by both parties to the Supreme Court, wherein it was held:

1. That the question of the existence of the emergency such as warrants the suspension of the "dollar limit" of taxation as fixed by Section 11, Chapter I, Article III of the Charter of the City and County of San Francisco, is one of fact and the determination by the Board of Supervisors of said City and County of the existence of such emergency is not final and conclusive upon the courts.

2. That the ordinance declaring the existence of a great public necessity and emergency was void because no such necessity or emergency existed and the special

levy of $720,000 attempted to be raised thereby for the repair, sprinkling and sweeping of streets and for the increase of salaries of teachers in the primary and grammar schools constituted no such great necessity or emergency of the kind and character as was contemplated by the provisions of Section 13, Chapter I of Article III of the Charter, and further, that the budget item of $720,000 attempted to have been raised within the dollar limit for the purpose of constructing a public utility, to-wit, the Geary Street Railway, was invalid for the reason that the Supervisors had not proceeded in the manner set forth under Article XII of the Charter for the acquisition and construction of a public utility.

In this case the City raised the question that a large part of the tax involved was for purely county purposes as distinguished from municipal purposes and that the limitation prescribed in Section 11, Chapter I of Article III of the Charter did not apply to taxes imposed for county purposes. The court, however, held that the language of the Charter contradicted this theory and that taxes for county purposes were not excepted from the dollar limitation contained therein and that if the limitation referred to was not intended to be applied to taxes for county purposes that intention would have been expressed and the exception would have been inserted with the others enumerated therein. In this particular the court assumed and it was not questioned but that the Charter framers had the power and right to limit the rate of taxation for both municipal and county purposes to one dollar on each one hundred dollars assessed valuation.

The Josselyn case was the test case upon which was determined fifty-five similar cases, containing the same issues, and in which cases claims for the refund of taxes in the sum of $345,296.98 were involved.

In the case of James Otis, etc. v. City and County of San Francisco, 170 Cal. 98, the general questions were the same as those considered and determined by the Josselyn case. The one additional point to be determined by the court was one of procedure.

The City claimed that a taxpayer had no right to bring his action for the recovery of taxes paid to it and claimed to have been illegal under the provisions of Section 3804 of the Political Code until the Board of Supervisors had rejected the claim for repayment of taxes. However, the Supreme Court held that the Board of Supervisors' failure to act upon the claim within a reasonable time warranted the taxpayer in taking the position that the claim was rejected and in bringing his suit against the City and County for the recovery of the illegal tax. In this case, as in the Josselyn case, judgment went against the City.

For the fiscal years 1908-09 and 1909-10 no attacks were made upon the tax levy by taxpayers. However, commencing with the fiscal year 1910-11 a very considerable number of suits were filed against the City and County to recover taxes paid under protest and claimed to have been illegally levied by the Board of Supervisors under an unlawful suspension of the dollar limit of taxation contained in Section 11 of Chapter I of Article III of the Charter.

The facts recited in the ordinance as constituting a "great necessity and emergency" were attacked by the taxpayers on the ground that the same did not in law constitute such a "great necessity or emergency" as was contemplated by the provisions of the Charter above referred to. The City strongly contended that the determination of the Board of Supervisors of the existence of a "great necessity or emergency" in the ordinance was conclusive upon the courts. This question was determined in the case of San Christina, etc., vs. San Francisco, reported in 167 Cal. at page 762 contrary to the City's position, wherein it was held that the existence or non-existence of a great necessity or emergency justifying the temporary suspension of the "dollar limit" of taxation is a question of fact and a finding of the existence of such fact is a prerequisite to the right of the Supervisors to suspend the limit, but their determination of the question is not final, but is subject to review by the courts.

In determining this question the court held that when the power or jurisdiction of an inferior legislative tribunal is made to depend upon the existence of a fact, its determination of the fact is not conclusive unless declared to be so in express terms or by necessary implication and that if so declared to be conclusive the declaration or finding can operate to bind the citizen whose property is affected thereby only in the event that at some stage of the proceedings the property owner shall have been afforded an opportunity to be heard on the question—in short, shall have had his day in court.

The court proceeded to define the meaning of the word "great" as applied to emergency as being a necessity or emergency of grave character and serious moment. It further defined the "emergency" as meaning "an unforeseen occurrence or combination of circumstances which calls for an immediate action or remedy; pressing necessity and exigency".

A further minor point was determined to the effect that the language of the Charter which states that the "dollar limit" of taxation could be suspended in case of great necessity or emergency only "by the unanimous vote of the Supervisors as not requiring for such suspension the unanimous vote of all the Supervisors constituting the Board, but only the unanimous vote of all of the Supervisors who were actually present at the meeting".

The appeal in the San Christina case above cited was by the taxpayers from an order of the Superior Court sustaining a general demurrer to the complaint. The Supreme Court reversed the lower court and directed that the demurrer be overruled and the City allowed to answer. In conformity with the decision of the Supreme Court the City filed its answer in the Superior Court and the case was tried during the latter part of the year 1915 and the first half of the year 1916. Volumes of evidence were introduced by both sides in an endeavor to show, first, on the City's part the existence of conditions which constituted in law a great necessity and emergency, and on the plaintiff's part every endeavor was put forth to offset this and to establish the fact that the great emergency or necessity created by the earthquake and fire of 1906 and the other facts set forth in the ordinance suspending the dollar limit had long since been met by previous tax levies and so had ceased to exist. At the present time, while all the evidence of both parties is in, the case has not been argued.

Pending the outcome and final determination of the San Christina case there are some one hundred cases in which the same points have been raised, aggregating claims in the sum of $572,098.50.

Similar attacks have been made upon the ordinances suspending the dollar limit of taxation for the fiscal years 1911-12, 1912-13, 1913-14 and 1914-15. A test case has been made of the tax levy for 1911-12 and subsequent years, including 1914-15, by the case of Alexander Keyes vs. City and County of San Francisco. In the latter case the City has raised the following additional points to those heretofore determined in the cases outlined above:

1. That the language of the Charter authorizing the suspension of the dollar limit is alternative and permits the suspension in the case of either a great necessity or a great emergency and that the failure of the existence of a great emergency does not carry with it or preclude the existence of such a great necessity as the charter framers intended, but authorizes the suspension of the dollar limit.

2. That to recover taxes paid under protest the presentation of a demand to the Board of Supervisors for the repayment of the tax is a necessary prerequisite to the commencement of an action against the City for the recovery of taxes.

3. That the provisions of Sections 3804 and 3819 of the Political Code do not offer a remedy for taxpayers to recover taxes paid to a municipality and the Charter of the City and County of San Francisco makes no provision for the repayment of taxes paid to said municipality under protest or for its recovery thereof when so paid.

4. That the dollar limitation of taxation provided for in Section 11 of Chapter I of Article III of the Charter, above referred to, is purely a municipal limitation and that the charter framers had no authority under the Constitution of the State of California to place a limitation upon taxes for county purposes and that until the taxes for municipal purposes only exceeded the dollar limitation no complaint could be made by the taxpayers.

The determination of these points involved many minor propositions that are interesting but cannot be set forth here in detail.

The Keyes case is now pending in the District Court of Appeal of the State of California, Third Appellate District, and other cases involving the same points are under submission in the Superior Court of the State of California in and for the City and County of San Francisco on briefs. Nine hundred cases involving taxes for the fiscal years 1911-12, 1912-13, 1913-14, 1914-15, have been filed against the City, and the amount of taxes involved in these cases is approximately $1,176,404.30.

Owing to a charter amendment adopted by the people of the City and County of San Francisco which was approved by the Legislature on April 1, 1915, wherein greater latitude was allowed the Board of Supervisors in removing the dollar limitation, no attack was made on the tax levy of 1915-16.

MUNICIPAL RAILWAYS.

In the report of this office for the preceding fiscal year the scope, magnitude and departmental procedure of claims work and litigation arising out of the operation of the Municipal Railways was fully set forth and explained.

There has been little or no change in the departmental procedure since that time, but the volume of work has steadily increased. As against fifteen hundred accidents investigated and acted upon during the fiscal year 1914-1915, there were 1884 for the present fiscal year. This period includes the last six months of the world's fair year which is probably the main cause of the increased number of accidents, and which means that there will probably be a decrease in the number of accidents during the coming fiscal year.

Out of the 1884 accidents which occurred during the past fiscal year of which reports were filed and investigation made but 321 claims for damages were presented against the City—a large number of claims, but a small percentage compared with the number of accidents. Of the 321 claims filed during the fiscal year 119 were settled on account of the City's liability for negligence causing the accidents where the damages were sustained. Twelve thousand dollars in all was expended in settling claims and of this amount over four thousand was expended in settlement of claims arising out of a serious accident at Steiner and Union Streets, due to a collision between two Municipal Railway cars. The two cars were crowded with visitors to the Exposition and a number of people were more or less badly injured. Considering the circumstances of the accident the City was very fortunate that more damage was not done. Through the efforts of the Claims Department and this office, all demands of claimants injured in said accident were settled without the necessity and expense of litigation, and at a figure fair to both the claimant and the City.

The policy pursued by this office is to avoid, if possible, the folly and expense of contentious litigation, in an honest endeavor to settle fairly all claims where it appears a liability exists against the City. Of course, cases arise where the City and the claimants finally differ as to the facts of an accident, the one disaffirming and the other affirming liability. There have also been a few cases where the amounts claimed in way of settlement were exorbitant. Under these cricumstances the only alternative on the part of the City is to disaffirm liability, which action usually results in litigation. As a result of the policy pursued, there has not been

a great deal of litigation. During the fiscal year there were instituted against the City twenty actions for damages arising out of accidents on the Municipal Railways. Of this number six have been determined in favor of the City, seven have been settled, and the remaining seven are pending and ready for trial. It will be noted that there was not a single adverse judgment.

There is added to this report the table below which is interesting from a statistical point of view.

MUNICIPAL RAILWAYS, FISCAL YEAR ENDING JUNE 30TH, 1916.
CLAIMS DEPARTMENT.

Total number Passengers carried during year		47,886,784
Car Miles Operated		6,358,543
Accident Reports filed and investigated		1,884
Total number Accidents		9
Personal injuries		666
Claims adjusted		119
Suits instituted		20
Decided in City's favor	6	
Pending	7	
Settled	7	
Passengers carried per accident		25,417
Passengers carried per personal injuries accident		71,902
Passengers carried per fatal accidents		5,320,754

CLASSIFICATION AND PERCENTAGE OF VARIOUS KINDS OF ACCIDENTS.

		Ratio
Car Collisions	96	.0509
Auto and Wagon	1014	.53
Boarding Car	193	.1024
Leaving Car	164	.0870
Miscellaneous	417	.2213
	1884	

AMOUNTS PAID ACCORDING TO CLASS OF ACCIDENTS.

62	Personal Injuries	$11,059.50
32	Automobile	615.15
11	Wagons and Vehicles	192.80
9	Wearing Apparel	52.00
4	Miscellaneous	165.75

ISLAIS CREEK DISTRICT STREETS.

With the intention of providing a commercial district in the Islais Creek section of the City, the City and County cooperated with the owners of the property in said section and closed portions of Newcomb, La Salle, Kirkwood, Innes, Hudson, Galvez, Fairfax and Davidson Avenues, and Selby, Mississippi, Missouri, Arkansas, Wisconsin, Carolina, De Haro, Rhode Island, Kansas, Vermont, Orleans, Mazzini, Tulare, Napoleon and Texas Streets, and all of Luck Street, all of Bourbon Street, all of Biggs Street, and all of Upton Street. Evans Street, Jerrold Avenue, Potrero Avenue and Napoleon Street were opened, widened and extended.

Following the proceedings prescribed by the Charter in the matter of the closing of the above streets the City and County of San Francisco by deed executed by the Mayor and the Clerk of the Board of Supervisors under Act of 1911, authorizing such conveyance, conveyed to the owners of the adjacent property, namely: the Ocean Shore Railroad Company, the Western Pacific Railroad Company, the Southern Pacific Company, the California Pacific Title Insurance Company, the California Glue Works, Miller and Lux, San Francisco and Fresno Land Company, Henry Feige and E. W. Newell. In consideration of said deeds the City and County received deeds for the land embraced in the new streets opened in lieu of said closed or abandoned streets.

Under the arrangement as made between the City and the owners of the property concerned in the transaction, the territory embraced from approximately Army Street on the north, the line of the Southern Pacific cut-off on the east, McKinnon Avenue and Jerrold Avenue on the south, to San Bruno Avenue on the west, including the extension of Potrero Avenue from the line of what was formerly Serpentine Avenue to San Bruno Avenue, has been made available for commercial purposes. At the same time titles to streets which have been obscured for many years have been straightened out.

LINCOLN PARK BOULEVARD.

The Panama Pacific International Exposition Company committed itself to the payment of $56,000 for the construction of a proposed boulevard running through the property of the John Brickell Company, lying approximately between 27th Avenue and West Clay Street and westerly to a subdivision known as the Bakers Beach Land Company.

The City for its part purchased for about $50,000 a strip of land extending approximately from 31st Avenue if produced westerly to the easterly line of Lincoln Park.

The plan agreed upon contemplated the dedication of a strip of land by the John Brickell Company, lying approximately, as before stated, between 27th Avenue and West Clay Street and the Bakers Beach Land Company. Of the sum of $56,000, to be paid by the Panama Pacific International Exposition Company, the John Brickell Company received $45,000, and for that sum said company paved the strip of land dedicated by it to the City. The John Brickell Company, in addition, dedicated to the City, as a part of West Clay Street, a parcel of land jutting out from the southerly side of said street easterly from 27th Avenue.

The work on said boulevard is now completed, providing the City with a boulevard extending from the westerly termination of West Clay Street to and through Lincoln Park, and linking up with the boulevard constructed by the United States Government through the Presidio.

SUNSET STREETS.

The City Attorney's office attended to the details in the matter of closing of portions of 10th, 11th and 12th Avenues and Rivera Street in the Sunset District, lying between Quintara Street on the north, the easterly boundary of the Sunset District on the east, Santiago Street on the south and 13th Avenue on the west, and the opening of new streets in lieu thereof; the reason for the change being that the old streets were originally laid out without any reference to the topographical conditions existing in that locality. The highest point in said section being 745 feet above the city base and the streets being laid out at right angles to each other, the grades were of such a character that it would be impossible to utilize the property for any purpose. As a result of the change the property can be developed for residential purposes and progress is being made at the present time to that end, thus opening up a new tract for improvement.

NEW SUBDIVISIONS.

Under the State law, whenever a new subdivision is contemplated to be opened, it is necessary that a map thereof be filed in the Recorder's office after approval by the Board of Public Works and the Board of Supervisors, and after certificates being endorsed thereon that the taxes have been paid, or that a bond to secure the taxes has been filed in the office of the Board of Supervisors in the amount fixed by said Board.

Every such map, before being recorded, must pass the inspection of the City Attorney's office, and this office has approved the maps, among many others, of Forest Hill, Forest Hill Court, Pacific Terraces No. 1, Claremont Court, Balboa Park, St. Francis Wood, Crocker Amazon Tract, Glenn Park Tract and Ingleside Terraces.

PORTOLA DRIVE.

The City Attorney's office attended to the details of straightening the lines of Portola Drive, formerly known as Corbett Avenue, and widening the same to a width of seventy feet from Sloat Boulevard to the westerly line of Stanford Heights. This work necessitated the closing of Corbett Avenue and the obtaining of deeds from the owners of adjoining property, namely: the Residential Development Company, Westgate Park Company, C. A. Hawkins and Alfred L. Meyerstein, and in deeding by the City and County of San Francisco of about nine small parcels of land outside of the lines of Portola Drive as widened and straightened.

Portola Drive is now improved with an asphalt pavement, forty feet in width, and concrete curbs for its entire length between said points. The city paid for half of this improvement and the property owners the remaining portion.

The City Attorney obtained from the owners of the property on Corbett Avenue from Twenty-fourth Avenue to the westerly line of Stanford Heights deeds for sufficient land to widen and straighten out the dangerous curves on said Avenue so that it would be of the same width as Portola Drive. This property was deeded to the City without cost.

The City paved a strip twenty feet wide on said Avenue, thus completing a boulevard, which extends in conjunction with the new Sloat Boulevard, from Twenty-fourth Street to the Ocean Beach.

TWIN PEAKS BOULEVARD.

The City and County of San Francisco is the owner of a piece of property purchased from Wells Fargo & Company consisting of about 29 acres, out of the money received from the sale of the property in the Almshouse tract. This property lies between the Sunset District and the westerly side of the Almshouse road. The Almshouse property sold by the city brought in the sum of $110,000 and the property acquired from Wells Fargo & Company was purchased for $78,550. In addition thereto the City is the owner of the property surrounding the Twin Peaks Reservoir. Between said properties of the City lie Twin Peaks owned by Wells Fargo and Company.

The City and County purchased from Wells Fargo & Company, the Twin Peaks and the property surrounding the same to the extent of 10.51 acres. In addition thereto, the City purchased from the same Company 3.23 acres for road purposes and the owners of the property formerly known as the Collamore Tract and Mrs. Mary L. Craig have deeded to the City and County the land necessary for the continuance of the Twin Peaks Boulevard through their several properties and the City and County has constructed a boulevard above with asphalt forty feet wide, with a scenic strip fifty feet in width along the same ensuring a per-

petual panoramic view of the City, Bay, Ocean and surrounding counties from Burnett Avenue and Altamont Street on the north joining with the boulevard around Twin Peaks, connecting with Portola Drive.

BAY VIEW PARK.

On the 17th of November, 1914, the Crocker Estate Company, the Bay View Land Company and Henry A. Crane offered to dedicate to the City and County of San Francisco for use and purpose as a public park lands owned by them lying northwesterly from the city property known as the Detention Hospital site near the southern boundary line of the City and County, the land offered by said owners consisting of about 17 acres, on the condition that the lands now owned by the City and County, known as the Detention Hospital site, be set apart for park purposes. The Detention Hospital site comprises 8 acres and the offer of the said owners gave to the City and County a park 25 acres in extent.

In addition to the land offered for park purposes said owners dedicated to the City land for road purposes, providing means of ingress and egress to and from said park.

The offer so made was accepted by the Board of Supervisors and a survey of the property involved has been made by the City Engineer's office, with a detailed description of each and every parcel. Deeds conveying said property to the city have been recorded.

During the period from June, 1915, to the time of the rendition of this report, the City and County purchased property for various purposes, namely:
Hawthorne School.

The property of Henry C. Barner—East line of Shotwell, 237 feet south of 22nd St.

From the purpose of extending Silver Avenue.

Property of Jessie H. Brann—S. W. Quesada 372.55 S. E. of Rankin Street; also the same owner S. W. Shafter 132.05 ft. S. E. of Rankin.

Helen Brennan, S. W. Revere St. 252.30 ft. S. E. of Rankin; W. W. Wilson, 100 ft. S. W. Shafter and 100 ft. S. E. Rankin.

Islais Creek Sewer.

The property of the estate of Razzo described as follows:

"All that certain lot of land situate in the City and County of San Francisco aforesaid and designated on a certain map entitled "West End Map No. 1" by the following bounds, to wit: Northwesterly by West Lake Avenue; southeasterly by East Lake Avenue; Northeasterly by Lake Geneva and Southwesterly by Mount Vernon Avenue as said Lake and Avenues, respectively, are laid down on said map."

Tiscornia and Ventre—N. E. Geneva Avenue 548.91 N. W. Herron.

Stefano Ventre—N. W. Cayuga 99 S. W. Oneida St.

For the Widening of Geary Street.

The property of Geo. A. Newhall, N. E. 40th and Geary; N. E. 41st and Geary; N. E. 43rd and Pt. Lobos Ave.; N. W. 43rd and Pt. Lobos Ave.

For the purposes of the Municipal line on Church Street.

The property of Jessie M. Fraser and husband; Geo. F. Lyon, Thomas H. Griffin, Helen Herr and Jane Herr; Charles Morrice, Catherine Determann, Geo. J. Swable and wife, Edward O'Day, Mary Quinton, Annie Miley, August Sandell and wife, Ella M. Mulhaupt and L. H., D. J., J. F., M. A. Smyth and M. O'Connor, Martin D. Coghlan, B. A. Reagan.

Hancock School.

The property of B. E. Berger—W. Taylor 60 ft. N. Filbert St.

For the purpose of opening Fifteenth Street.

The property of Margaret Gattinger described as follows:

"Beginning at a point formed by the intersection of the southerly line of Fifteenth Street with the northeasterly line of Block No. 8, Flint Tract, which point is about 258.454 feet westerly of Castro Street; thence northwesterly 39.637 feet to the northerly corner of Lot No. 19, in said Block No. 8; thence southwest 41.77 feet; thence southeast 57.58 feet to beginning."

For the Balboa School.

Property of Stuart F. Smith described as follows:

Beginning at a point on the northeasterly line of Seneca Avenue, distant thereon 237 feet northwesterly from the point formed by the intersection of the northeasterly line of Seneca Avenue with the northwesterly line of Delano Avenue; and running thence northeasterly parallel with Delano Avenue 30 feet; thence at right angles northwesterly 116 feet and 8½ inches to San Jose Avenue; thence southwesterly along San Jose Avenue 30 feet and 2¾ inches to Seneca Avenue; thence southeasterly 120 feet and 6 inches along Seneca Avenue to beginning."

For the Adams School.

Property of William and Louisa M. John, described as follows:

"BEGINNING at a point on the southerly line of Ellis Street, distant thereon 137 feet and 6 inches westerly from the point formed by the intersection of the southerly line of Ellis Street with the westerly line of Polk Street; running thence westerly along said line of Ellis Street 55 feet by right angles southerly 120 feet."

And also the property of Mary Pauba, incompetent, owner under condemnation proceedings, decree recorded in the Recorder's office Jan. 12, 1916. The property is described as follows:

"Beginning at a point on the southerly line of Ellis Street, distant thereon 192 feet and 6 inches westerly from the point formed by the intersection of the southerly line on Ellis Street with the westerly line of Polk Street; and running thence westerly along said line of Ellis Street 27 feet and 6 inches by right angles southerly 120 feet."

For the Bernal School.

Property of Patrick Broderick and wife, deed recorded Sept. 24th, 1915, and the property is described as follows:

"Beginning at a point on the southerly line of San Jose Avenue, thirty (30) feet at right angles northeasterly of Seneca Avenue; thence along San Jose Avenue to a point 161.30 feet southwesterly of Oneida Avenue; thence southeasterly parallel with Oneida Avenue 90.47 feet; thence at right angles southwesterly parallel with Delano Avenue to a point distanct at right angles northeasterly 30 feet from Seneca Avenue; thence at right angles northwesterly to beginning."

Property of Henry Van Hofen and Madeline Von Hofen, his wife, recorded Oct. 18, 1915, described as follows:

"Lot No. 587, Gift Map No. 2, being West of Banks Street 225 feet north of Tompkins Avenue; north 25 feet x 70 feet."

Property of Michael J. Coffey and Mary Coffey, his wife, deed recorded October 14, 1915. Property described as follows:

"Lots Nos. 589 and 591, Gift Map No. 2, being West of Banks Street 175 feet North of Tompkins Avenue; north 50 feet x 70 feet."

Property of Giorgio Virga and Frank R. Webb, deed recorded October 18, 1915; property described as follows:

"Lot No. 593, Gift Map No. 2, being West of Banks Street 150 feet North of Tompkins Avenue; north 25 feet x 70 feet."

Property of Giorgia Virga and Giovanni Tomassello, deed recorded October 19, 1915; property described as follows:

"Lot No. 595, Gift Map No. 2, being West of Banks Street 125 feet North of Tompkins Street; north 25 feet x 70 feet."

Property of Josephine and Jacob Przyborowski, deed recorded October 21, 1915; property described as follows:

"Lot No. 592, Gift Map No. 2, being East of Folsom Street 150 feet North of Tompkins Avenue; North 25 feet x 70 feet."

Also, property of Clarence E. Weikert, described as follows:

"Lots Nos. 586 and 588, Gift Map No. 2, being East of Folsom Street 200 feet North of Tompkins Avenue; north 50 feet x 70 feet."

Property of James Farren and Albert G. Sala, described as follows:

"Lot No. 590, Gift Map No. 2, being East of Folsom Street 175 feet North of Tompkins Avenue; north 25 feet x 70 feet."

Property of Martin Hanson, described as follows:

"Lot No. 594, Gift Map No. 2, being East of Folsom Street 125 feet North of Tompkins Avenue; north 25 feet by 70 feet."

Property of Henry R. Williams, Sr. and Henry R. Williams, Jr., described as follows:

"Northeast Tompkins Avenue and Folsom Street; north 125 feet x 140 feet."

For Fire Department Purposes.

Property of Ramon M. Aguirre, described as follows:

"Beginning at a point on the easterly line of Powell Street, distant thereon 91 feet southerly from the point formed by the intersection of the easterly line of Powell Street with the southerly line of Broadway; running thence southerly along said line of Powell Street 46 feet and 6 inches; thence at a right angle easterly 98 feet and 6 inches; thence at a right angle northerly 40 feet and 8 inches; thence at a right angle westerly 3 feet and 6 inches; thence at a right angle northerly 5 feet and 10 inches; thence at a right angle westerly 95 feet."

Daniel Webster School.

Property of Belle Brooks Reis, Gustav Reis, and John Reis, deed recorded January 26, 1916; property described as follows:

"Beginning at the northwesterly corner of Twentieth and Texas Streets; west 120 feet x by 125 ft."

Also, property of Julia U. Miser, formerly Julia U. Sutherland and J. E. Miser, her husband, dated June 8, 1916, recorded July 13, 1916, at 4:21 o'clock P. M., Liber 926 Deeds page 329; property described as follows:

"West Texas Street 125 feet North Twentieth Street, North 25 feet x West 100 feet. Being portion of Potrero Nuevo Block No. 267."

Property of Albert Johnson and Genevieve Johnson, his wife, by deed July 6, 1916, recorded July 22, 1916, at 11:06 o'clock A. M., Liber 923 Deeds page 389; property described as follows:

"West Texas Street 150 feet North Twentieth Street, North 25 feet x West 100 feet. Being portion of Potrero Nuevo Block No. 267."

Property of Charles M. Young, by deed, dated June 22, 1916, recorded July 22, 1916, at 11:07 o'clock A. M. Liber 923 Deeds page 390; property described as follows:

"West Texas Street 125 feet South Nineteenth Street, South 25 feet x West 100 feet. Being portion of Potrero Nuevo Block No 267.

Property of Marie Canteleu Erickson, formerly Marie Canteleu, by deed June 21, 1916, recorded June 29, 1916, at 1:13 o'clock P. M., Liber 939 Deeds page 220; property described as follows:

"East Missouri Street 125 feet South Nineteenth Street, South 25 feet x East 100 feet. Being portion of Potrero Nuevo Block No. 267."

Property of Hugh G. Hamilton and Sarah H. Hamilton, his wife, by deed June 8, 1916, recorded June 29, 1916, at 1:14 o'clock P. M., Liber 925 Deeds page 261; property described as follows:

"North East Twentieth and Missouri Streets, North 100 feet x East 100 feet. Being portion of Potrero Nuevo Block No. 267."

Property of Adolf W. Hultgren and Hilda Hultgren, his wife, by deed dated June 23, 1916, recorded June 29, 1916, at 1:15 o'clock P. M., Liber 925 Deeds page 262; property described as follows:

"East Missouri Street 150 feet South Nineteenth Street, South 25 feet x East 100 feet. Being portion of Potrero Nuevo Block No. 267."

Property of Patrick Howard, by deed dated June 2, 1916, recorded June 29, 1916, at 1:16 o'clock P. M., Liber 925 Deeds page 263; property described as follows:

"West Texas Street 175 feet North Twentieth Street, North 50 feet x West 100 feet. Being portion of Potrero Nuevo Block No. 267."

Property of James Stewart and Grace Stewart, his wife, as tenants in common of equal undivided shares described as follows:

"East Missouri Street 150 feet North Twentieth Street, North 25 feet x East 100 feet. Being portion of Potrero Nuevo Block No. 267."

Property of Stuart F. Smith and D. J. Counihan, deed recorded January 17, 1916; property described as follows:

"Beginning at a point on the easterly line of Mission Street, distant thereon 100 feet northerly from the point formed by the intersection of the easterly line of Mission Street with the northerly line of Twentieth Street; and running thence northerly along said line of Mission Street 50 feet by right angles easterly 100 feet."

Also, property

"Beginning at a point on the easterly line of Mission Street, distant thereon 175 feet northerly from the point formed by the intersection of the easterly line of Mission Street with the northerly line of Twentieth Street; and running thence northerly along said line of Twentieth Street 50 feet by right angles easterly 100 feet."

Miscellaneous.

Properties of T. F. Allford—N. W. Eagle Street and Mona Street.

Property of F. Lovotti—North line of Eagle Street 89¾ feet west of Mona Street.

Property of J. C. Dober—West of Mona Street 67 feet 11¾ inches north of Eagle Street.

Property of S. Lambert—Hyde and Larkin Streets.

RIGHTS OF WAY FOR HETCH HETCHY PROJECT.

On the 11th day of August, 1915, this office received a communication from Mr. M. M. O'Shaughnessy, City Engineer, requesting the appointment of a Right of Way Agent to secure the necessary rights of way for the Hetch Hetchy Railroad and other property in connection with the Hetch Hetchy Water Project.

After consultation with the City Engineer and the Board of Supervisors, Mr. Joseph J. Phillips was selected for this work. Mr. Phillips is a man who has had considerable experience in making appraisals and purchasing property for the

City in the past and is familiar with the necessary procedure. The work was commenced on the 28th day of August, 1915.

The railroad rights of way extend over a distance of sixty-seven miles, about thirty miles of which is private property, the remaining being government land. Many unexpected difficulties presented themselves during the acquisition of these rights of way. Not only were many of the owners scattered all over the State of California and throughout the country as far east as New York, but the ownership of the land was vested in diverse ways, such as Homestead Entries, Patented Agricultural lands, Patented Quartz and Placer Mining Claims, and located unpatented Quartz and Placer Mining claims, Townsite lands in the case of Groveland and Big Oak Flat, and Indian Reservation lands. In one place for a distance of about one and one-half miles the road follows the right of way purchased by another Railroad Company for its own line.

With reference to that portion of the right of way, traversing Indian Reservation land, the Secretary of the Interior issued a temporary permit through the Indian Land Office on March 17, 1916, granting permission to the City to construct its railroad through the lands in question pending the issuing of a deed. This permit was obtained upon depositing with the Special Indian Agent a sum approximately twice as large as the estimated value of the land to be taken. Deeds are now in course of preparation in the Indian Land Office and will shortly be received, conveying the necessary portions of these Indian lands to the City. Upon delivery of these deeds, the difference between the amount of the deposit and the value as fixed by the Indian Office will be refunded to the City.

The securing of the Indian Lands in this manner was greatly facilitated through the efforts of our Washington representative, Mr. R. Woodland Gates. These portions of the right of way would have otherwise been particularly difficult to obtain because of the great number of bureaus in the Interior Department having jurisdiction over Indian Affairs, making definite results through correspondence practically impossible.

In projecting this railroad line it often happened that, to avoid expensive filling and cutting, valuable property had to be severed, damaged or destroyed. In one case the road made a deep cut between a residence and its outlying barn and garden. In another instance a large barn in a mountain pass was removed from the line of the railroad.

A special arrangement was entered into with the Sonora Abstract and Title Company, by which a search of titles of all the property to be acquired was made at a reduced price. This search involved many difficulties, owing to the fact that the railroad line followed and crossed the Mother Lode at several points. Thus many mining claims were affected, and, while it was comparatively easy to locate the patented claims, it was extremely difficult to trace the unpatented mines, especially since the United States does not require very definite descriptions until final applications for patents are made.

In the case of that portion of the line which follows the right of way heretofore acquired by the Yosemite Short Line between Jacksonville and Stevens Bar Bridge a price has been agreed upon, but a friendly condemnation suit will be necessary to secure a proper title.

Aside from this litigation, up to the date of filing this report, it has been found necessary to institute but two suits in condemnation, both of them through mining properties. It is expected that these suits will be brought to trial very shortly and the properties acquired. Certain owners of a patented Placer Mining claim on the Tuolumne River against whom one of the condemnation suits above referred to had been commenced secured a restraining order to prevent the City from proceeding with the railroad construction and sought to permanently enjoin the City from proceeding with its work on their property. They also endeavored to set up a technical defense against the City's right to condemn. These matters

were argued before Judge Nicol of the Superior Court of Tuolumne County. He has rendered a decision sustaining in every particular the right of the City to condemn all property necessary for its Hetch Hetchy project in Tuolumne County and has dismissed the restraining order and refused to issue the injunction against the City constructing the railroad at this point.

The right of way agent employed by this office has succeeded in securing most of the land through options. These options are followed by deeds, after the title to the properties involved has been searched down to the minute of signing the deed.

In addition to the railroad rights of way, this office has secured an additional parcel of land necessary for the regulating reservoir near Priest's and several parcels of land necessary in connection with the aqueduct work.

In connection with the field work this office has developed an index and filing system by which the status of any piece of land as well as its location on the railroad line may be found instantly. This is done by means of files, indices and maps, which are constantly kept up to date. A system of payment for the lands has also been devised, by means of which the office is kept constantly in touch with the movements and work of the agent in the field.

The system of acquiring lands for the use of the City outside its corporate limits has been perfected during the past year, and the office is fully prepared to take over the work of acquiring the rights of way for the aqueduct from the Hetch Hetch Valley to the City, plans for which are now being prepared. . . .

During the prosecution of this work, it was found necessary to apply to the State Railroad Commission for permits for eleven grade crossings, all of which applications have been granted.

In connection with the work of acquiring these lands for the City's railway, this office desires to acknowledge its indebtedness to Mr. M. M. O'Shaughnessy, City Engineer, and his able corps of assistants, who have rendered this office every assistance possible. This earnest co-operation greatly facilitated the work of this office, and speaks well for the economical handling of like problems which must of necessity present themselves in the future development of this great project.

HETCH HETCHY MUNICIPAL WATER SUPPLY.

The service necessary to fully protect the rights acquired by the City and County of San Francisco both by purchase and by reason of the Congressional grant is so important that I believe special mention is warranted.

The city has invested a large sum of money in the Hetch Hetchy project which sum is being increased daily as the work of development progresses. Ultimately the outlay will be fully $50,000,000, which will give the city a plant worth many millions more.

So far, the litigation over this project has not been of a serious character and the cases have been few in number. However, in order that the development shall not be halted, this office has devoted much time and energy in cooperating with the City Engineer in aid of his plans.

When it is remembered that Los Angeles in constructing the Owens River system maintained a special legal department with a staff of seven lawyers, while this office without any increase in office staff since 1910 has carried on this work without extra assistance other than a representative in Washington to follow matters through the departments, it would seem that some saving to the taxpayers has resulted. It is obvious that a project of this magnitude involving so many different relations requires most careful and intelligent service of a character not easily understood or appreciated by the general public. At a day not far distant, the volume of this work will become so great that more assistants will be necessary to give the service demanded.

There has been continued under the immediate direction of the City Attorney's office the studies referred to in my last year's report in connection with the duty of water in the Tuolumne River. This is a most scientific and exhaustive investigation in connection with the rights and needs of the Modesto and Turlock irrigation districts whose interests are recognized and protected by our Hetch Hetchy grant. In my opinion, this examination both for the past and the present year's irrigation season will constitute the most thorough and accurate study that has ever been made of these conditions. The results thus far obtained have been compiled in a report made to this office and an additional report for the present irrigation season will also be prepared.

Another very important branch of the Hetch Hetchy work has been a careful examination by the city of any and all applications made by private persons and corporations with the Department of the Interior or the Department of Agriculture for power projects, etc., in the National Park or Forest which may conflict with the City's project. This office, in conjunction with the City Engineer's office, has filed several formal protests against certain of these applications which are still pending. A hearing of considerable importance on one of these applications by the Yosemite Power Company for reservoir site rights at Poopenaut Valley just below Hetch Hetchy was held before the Secretary of the Interior at Washington, D. C., in January, 1916, at which hearing the City was represented by the City Attorney and the City Engineer. This matter has been submitted to the Secretary for decision.

Under the terms of the Congressional Grant of December 19, 1913, the City is required to file maps for the approval of the Secretary of the Interior, within a period of three years from the passage of the said Act, showing the complete Hetch Hetchy project within the Yosemite National Park, Stanislaus National Forest and over all public lands. These maps must be filed for reservoir sites, aqueduct lines, power house sites, road construction work, etc.

It has therefore been necessary for this office, in cooperation with the City Engineer's office, to prepare the necessary data for filing such maps and field notes accompanying the same, in accordance with departmental rules and regulations, in order that the terms of the grant shall be strictly complied with.

During the fiscal year 1915-16, the following applications have been so filed and approved by the Department of the Interior:

Amended map showing location of Lake Eleanor reservoir site within the boundaries of Yosemite National Park (Sacramento Serial Number 08108—approved Dec. 27, 1915).

Map showing location of tunnel aqueduct line between Cherry Valley and Hetch Hetchy Valley within the boudaries of Stanislaus National Forest (Sacramento Serial Number 08109, approved Dec. 27, 1915).

Map showing location of tunnel aqueduct T. 1 S. R. 16 E., M. D. B. & M. (Sacramento Serial Number 08110). This was approved just prior to the beginning of this fiscal year, that is, on June 1st, 1915.

Application for location of transportation road for conveying materials to Hetch Hetchy dam, being westerly continuation of Sacramento serial number 07492, approved July 23, 1914. That is, it is a westerly continuation within the boundaries of the Stanislaus National Forest, and extending the transportation road to the westerly boundary of the Forest (Sacramento Serial No. 08374, approved Oct. 12, 1915).

Application for transportation road through public and patented lands and Indian reservation. This is a westerly continuation of the last above transportation road application. Its serial number is 08415. It continues the road to Priest's reservoir and was approved, except as to the Indian lands, on Oct. 15, 1915.

With reference to the Indian land portion of this transportation road, the Secretary of the Interior, upon application of this office, issued a temporary permit on March 17th, 1916, granting the City permission to construct its railroad line through the lands in question upon the depositing with the special Indian agent of approximately twice the estimated value of the land so taken. This permit was issued under these conditions, and deed conveying the land in fee to the City are now in course of preparation by the Indian land office.

Plans explanatory of the City's proposed Hetch Hetchy dam construction work covering the location,

1st: Of a permanent dam;
2nd: Of a temporary dam;
3rd: Existing and proposed trails to Lake Eleanor, Till Till, Rancheria, and Little Hetch Hetchy;
4th: Proposed bridge over the upper level of the Lake;
5th: Bridge at the diversion dam for the public convenience during construction operations.

(Approved by Assistant Secretary Mather, Aug. 13, 1915.)

Application for westerly continuation of the last above transportation road (Sacramento Serial Number 08415), being a road running generally from Priest's regulating reservoir westerly to Red Mountain Bar on the Tuolumne River, this being the second application outside of the forest and continuing generally the Forest application (Sacramento Serial No. 08677, approved Oct. 12, 1915).

Application for location of transportation road in Ts. 1 and 2 S., Ranges 13 and 14 E, M. D. B. and M., westerly continuation of the last above Sacramento Serial Number No. 08677. This extends the transportation road from Red Mountain Bar to Rosasco (Sacramento Serial No. 08906, approved Jan. 4, 1916).

Application for location of Lower Cherry dam site, aqueduct and power plant (Sacramento Serial No. 09487, approved June 22nd, 1916).

Application for location of Priest Regulating Reservoir on Hetch Hetchy Aqueduct (Sacramento Serial Number 09559, approved June 22nd, 1916).

The above, along with applications filed in the previous year and described in my last year's annual report, and those still to be filed during the coming fiscal year, will embrace the entire Hetch Hetchy project in detail from the Hetch Hetchy Valley to the City. The last of these filings must, under the terms of the Congressional Grant, be made by the City on or before the 19th day of December of this year, 1916.

OPINIONS RENDERED TO VARIOUS DEPARTMENTS.

July 1, 1915—June 30, 1916.

ASSESSOR.

June 15, 1916.—Concerning the assessment of money in the hands of the Receiver of the Western Pacific.

AUDITOR.

July 6, 1915.—Advising that Police Patrol salaries and maintenance are payable out of the General Fund.

July 27, 1915.—Advising that certain extra positions in the Assessor's office were lawfully created.

Oct. 28, 1915.—Advising that per diem employees are entitled to vacations.

Jan. 8, 1916.—Advising that validity of appointment of Manager of Auditorium by Board of Public Works must be determined by the character of his duties.

Jan. 12, 1916.—Advising that certain demands for the purchase of land for the Daniel Webster School are valid.

March 10, 1916.—Advising that the Civil Service Commission may fix the salaries of special examiners and investigators.

March 10, 1916.—Advising that the Supervisors may allow the Supply Committee to incur expenses.

April 11, 1916.—Advising that the claims of Maxwell and Layden for back salaries as Assistant Chiefs in the Fire Department are valid.

CHIEF OF POLICE.

March 15, 1916.—Advising that an ordinance requiring report of engine numbers from persons altering or repainting motor vehicles would be valid.

CITY ENGINEER.

June 3, 1916.—Concerning the grades on Harrison Street between Spear and Beale and on Main between Folsom and Bryant.

CIVIL SERVICE COMMISSION.

Aug. 16, 1915.—Advising that John J. Whelan is entitled to a position in the County Clerk's office.

Aug. 16, 1915.—Advising that C. W. Madsen is entitled to a preference for appointment as motorman on the Municipal road.

Oct. 20, 1915.—Advising that suspension of plumbing inspector for 18 months is illegal.

June 3, 1916.—Advising that the Civil Service Commission may inquire into the qualifications of the druggist at the County Jail.

June 29, 1916.—Advising that certain vacations for per diem men under the Board of Public Works are legal.

ELECTION COMMISSIONERS, BOARD OF

Dec. 28, 1915.—Concerning the registration of party affiliation of voters.

FIRE COMMISSIONERS.

July 12, 1915.—Advising that the appointment of a probationer in the Fire Department without posting notice in accordance with a rule of the Department is not regular.

Feb. 18, 1916.—Advising that motor vehicles used exclusively for Fire Department business are exempt from license under the Motor Vehicle Act.

FIRE PENSION FUND COMMISSIONERS, BOARD OF

Aug. 20, 1915.—Advising that the twenty-five year service pension in the Fire Department requires continuous service.

HEALTH, BOARD OF

Feb. 15, 1916.—Advising that if nurse contracts typhoid fever in the course of, and arising out of, her employment she is entitled to compensation.

Feb. 18, 1916.—Advising that Section 171, Ordinance No. 615, is too vague to be given any interpretation.

May 26, 1916.—Advising that City is not liable for negligence of ambulance drivers.

HEALTH OFFICER.

Sept. 16, 1915.—Interpreting the words "rendering or reducing" in Ordinance No. 822.

MAYOR.

May 16, 1916.—Advising that the Municipal Railroad may be extended across Golden Gate Park.

PARK COMMISSIONERS, BOARD OF

Sept. 1, 1915.—Advising that municipal railway may run through Mission Park.

April 11, 1916.—Advising that money received from the State from taxes on automobiles may be used to improve the Great Highway.

POLICE COMMISSIONERS, BOARD OF

July 19, 1915.—Advising that former Officers McPhee and Taylor are no longer members of the Police Department.

July 28, 1915.—Advising that if facts are the same application of one Miller for permit to conduct second-hand store should be granted on authority of Franklin v. Woods, et al.

Sept. 2, 1915.—Advising that State Law regulating private detectives and detective agencies supersedes Ordinance No. 453 (N. S.).

April 21, 1916.—Advising that Section 21 of Ordinance No. 3212 (N. S.) does not give Police Department general power to prevent the operation of jitney buses on Market Street between Sixth and the Embarcadero.

PUBLIC WORKS, BOARD OF

July 23, 1915.—Advising that where team and driver are hired to City hirer may be required to insure driver against Industrial accident.

August 7, 1915.—Concerning the issuance of certificates of credits for grading on private survey.

August 11, 1915.—Advising that cemetery property is not assessable for public improvements.

August 18, 1915.—Advising that the regrading of Hayes Street between Steiner and Scott is not a public contract requiring the United Railroads to pay $3.00 per day.

Aug. 30, 1915.—Concerning Emmet Place pending the action of Mandonnet v. City and County, et al.

Sept. 4, 1915.—Advising that the issuance of deeds to purchasers at delinquent sales is compulsory after twelve months under Art. VI, Chap. III, Sec. 14 of the Charter.

Sept. 3, 1915.—Concerning the removal of obstructions on Stark Street.

Oct. 14, 1915.—Advising that extension of time on Municipal contracts granted after time has expired is legal.

Oct. 29, 1915.—Advising that service connection at county line municipal water works must hereafter be made free of charge.

Nov. 19, 1915.—Advising that the assessment for the improvement of the crossing of Randall and Whitney Streets is regular and valid.

Nov. 19, 1915.—Advising that the assessment for work done on Bemis Street between Miguel and Mateo is regular and valid; and that the Street Improvement ordinance is constitutional.

Dec. 2, 1915.—Advising that the United Railroads has a right to install a track connection at Haight and Masonic.

Dec. 3, 1915.—Advising that Blackwood Street is a public street.

Dec. 8, 1915.—Advising that certain property is not a part of Stark Street.

April 3, 1916.—Advising that Supervisors should make contracts for hiring buggies, and horseshoeing.

May 5, 1916.—Concerning the official grades of Harrison Street.

June 26, 1916.—Advising that Leroy Place is a public street.

SHERIFF.

Dec. 30, 1915.—Advising that civil service standing of Edward M. Greene depends on question of fact to be determined by Civil Service Commission.

SUPERVISORS, BOARD OF

July 26, 1915.—Advising as to liability of City under Workmen's Compensation Act to father of deceased employee, and manner of making lump sum settlements.

Aug. 20, 1915.—Concerning the liability for the cost of street work in a part of Geary Street.

Sept. 17, 1915.—Advising that a proposed ordinance attempting to limit the powers of the Board of Health in dealing with Diphtheria carriers was in conflict with State law.

Sept. 21, 1915.—Advising that the exchange of certain lands in the manner set forth would be legal.

Nov. 8, 1915.—Advising that Supervisors cannot reduce amount of assessment for street work done under Ordinance No. 2439 (N. S.).

Dec. 30, 1915.—Advising as to the power of Supervisors to regulate moving pictures.

Dec. 30, 1915.—Concerning the claim of Harry E. Grant for Medical Services under Workmen's Compensation Act.

Jan. 3, 1916.—Advising that under the terms of the lease of Market Place and the Produce Exchange Lots either the City or the lessee may require a new valuation each year.

Jan. 22, 1916.—Advising that the civil service provisions of the Charter apply to the office of the Board of Supervisors; and that the occupants of the positions of chief assistant clerk and assistant clerk may not be interchanged.

Feb. 17, 1916.—Concerning the abandonment of its franchise on Ocean Avenue by the United Railroads.

Feb. 25, 1916.—Advising that the right of a contractor to be paid for street work does not depend upon the acceptance of the street by the Supervisors.

Feb. 24, 1916.—Concerning the rights of power and lighting companies to use the streets.

Feb. 28, 1916.—Advising that a stable erected prior to the passage of Ordinance No. 334 (N. S.) may properly be maintained although within 50 feet of a residence.

Mar. 13, 1916.—Advising that the right of the manager of the Auditorium appointed by the Board of Public Works to receive his salary cannot be affected by any action of the Board of Supervisors.

Mar. 14, 1916.—Advising that the Supervisors are without power to pass a resolution limiting employment on public works to citizens and residents of San Francisco.

Mar. 29, 1916.—Concerning proposed amendment to moving picture ordinance.

April 12, 1916.—Advising that there is no legal objection to granting petition of Ocean Shore Railroad to rearrange its tracks and buildings on Howard Street.

April 19, 1916.—Concerning a proposed agreement between City and the United Railroads concerning the Church Street line.

April 20, 1916.—Advising that the Supervisors cannot refund to property owners money paid under private street contracts.

May 15, 1916.—Concerning the control of funds by the various departments.

May 22, 1916.—Concerning the appointment of Inspectors of Supplies.

June 7, 1916.—Advising that a purchaser at a void tax sale must ask for a refund in three years.

June 16, 1916.—Advising that City is not liable for negligent management of fire apparatus.

June 23, 1916.—Advising that certain sub-contracts in use by F. Rolandi in constructing the Hetch Hetchy Railroad are not inimical to the interests of the City.

June 23, 1916.—Advising that City is not liable for certain damages to property of Harrison Corporation by the overflow of water.

June 23, 1916.—Advising that City is not liable for injuries to Mrs. J. H. Harvey.

June 23, 1916.—Advising that the Vacation Ordinance does not benefit copyists in the Recorder's office.

TAX COLLECTOR.

Mar. 27, 1916.—Advising that ticket sellers must pay monthly license.

June 16, 1916.—Interpreting a portion of Section 3897, Political Code.

TREASURER.

Jan. 28, 1916.—Advising that Act 127 of the General Laws of California does not prohibit the employment of aliens by contractors with City.

RECAPITULATION OF ACTIONS PENDING AND DETERMINED, FROM JULY 1, 1915, TO JUNE 30, 1916.

ACTIONS DETERMINED.

Injunctions against Board of Health	22		
Injunctions against City and County of San Francisco	4		
Injunctions against Board of Public Works	5		
In favor of City or its officers		31	
Against City or its officers			0
Mandamus against City and County of San Francisco	1		
Mandamus against Auditor	4		

Mandamus against Board of Education	1		
Mandamus against Election Commission	4		
Mandamus against Police Commission	4		
Mandamus against Tax Collector	1		
In favor of City or its officers		9	
Against City or its officers			6
Condemnation Suits	15		
In favor of City or its officers		15	
Against City or its officers			0
Actions for Personal Injuries	14		
In favor of City or its officers		14	
Against City or its officers			0
Actions to Quiet Title	3		
In favor of City or its officers		1	
Against City or its officers			2
Action before the State Board of Equalization	1		
In favor of City or its officers		1	
Against City or its officers			0
Actions before the Industrial Accident Commission	4		
In favor of City or its officers		2	
Against City or its officers			2
Actions to Recover Damages for Goods Alleged to have been destroyed by mob	6		
In favor of City or its officers		6	
Against City or its officers			0
Miscellaneous	15		
In favor of City or its officers		15	
Against City or its officers			0
Total number of actions determined in favor of City or its officers		94	
Against City or its officers		10	
Total number of actions determined		104	

ACTIONS PENDING.

Injunctions against Board of Health	12
Injunctions against City and County of San Francisco	24
Injunctions against Board of Public Works	9
Injunction against Police Commission	1
Injunction against Fire Commission	1
Injunction against Civil Service Commission	4
Injunction against Tax Collector	1
Mandamus against City and County of San Francisco	3
Mandamus against Auditor	7
Mandamus against Board of Education	2
Mandamus against Board of Health	1
Mandamus against Police Commission	3
Mandamus against Civil Service Commission	3
Mandamus against Mayor	1
Mandamus against Tax Collector	1
Mandamus against Treasurer	1

Condemnation Suits	9
Actions to Declare Tunnel Assessment Void	18
Actions for damages by reason of tunnel construction	6
Actions for Personal Injuries	15
Actions to Quiet Title	13
Actions Before Industrial Accident Commission	2
Actions Before Railroad Commission	4
Actions to recover taxes paid under protest	1052
Actions in the Superior Court of Tuolumne County	7
Miscellaneous	51
Total number of Actions Pending	1110

Report of Justices' Courts

San Francisco, Cal., July 25, 1916.

To the Hon. James Rolph, Jr.,
Mayor of the City and County of San Francisco, State of California.

Pursuant to the provisions of Section 9 of Article XVI of the Charter of the City and County of San Francisco, I herewith submit the following report of the receipts and disbursements of the Justices' Courts and Clerks' Office for the fiscal year ending June 30, 1916.

Respectfully submitted,

ROBERT W. DENNIS,
Justices' Clerk.

RECEIPTS.

1915—July		$ 2,600.50
	August	2,762.00
	September	2,920.25
	October	3,124.50
	November	2,858.50
	December	2,780.00
1916—January		2,524.25
	February	2,737.00
	March	3,155.00
	April	2,484.75
	May	2,802.75
	June	3,015.00
Total		$33,764.00

2,637	Trials at $3 each	$ 7,911.00
2,038	Defaults at $2 each	4,076.00
361	Appeals at $1 each	361.00
10,203	Complaints at $2 each	20,406.00
	Sundries	1,010.00
Total		$33,764.00

SPECIAL DEPOSIT FUND.

Balance on hand July 1st, 1915 ..... $ 969.44

1915	Receipts	Disbursements
July	$ 927.25	$ 774.50
August	610.60	553.50
September	42.29	230.80
October	749.55	1,221.98
November	910.90	712.80
December	1,061.79	829.95
1916		
January	404.05	608.65
February	137.60	218.54
March	1,997.62	653.75
April	932.05	1,849.17
May	483.50	869.55
June	461.32	276.95
Totals	$8,718.52	$8,799.94

Balance July 1, 1916	969.44
Total	$9,687.96
Disbursed	8,799.94
Balance July 1, 1916	$ 888.02

Salaries of Justices of the Peace (5 at $4,200.00 each)	$20,669.25
Salaries of Clerk and six assistants	12,095.30
Total	$32,764.55

1915	Number of Trials paid for	Number of Defaults paid for	Number of Appeals paid for	Amt. Rec'd. from Sundries	Number of Complaint paid for
July	188	147	37	$ 77.50	814
August	224	170	17	73.00	830
September	220	182	35	97.25	882
October	255	165	36	81.50	956
November	262	189	34	78.50	791
December	234	138	29	89.00	842
1916					
January	184	167	27	73.25	769
February	209	152	33	77.00	848
March	244	220	34	107.00	921
April	219	140	32	73.75	721
May	185	167	25	96.25	896
June	213	201	22	86.00	933
Total	2,637	2,038	361	$1,010.00	10,203

Total number of suits filed since June 4, 1906 88,111
Total number of suits restored since June 4, 1906 1,400

REPORT

OF THE

SUPERINTENDENT OF SCHOOLS

OF

SAN FRANCISCO, CAL.

FOR THE FISCAL YEAR ENDING JUNE 30, 1916

Superintendent of Schools
ALFRED RONCOVIERI

Note.—The financial data presented in this report were secured from various departments of the city and county government as herein specified in foot-notes, and are here presented without further verification by the Superintendent of Schools.

SCHOOL CALENDAR FOR BOTH DAY AND EVENING SCHOOLS 1915-1916.

Fall Term, 1915—

July 26 to August 27 (Aug. 16-20, N. E. A. vacation)	20	days
Aug. 30 to Sept. 24 (Sept. 6, Labor Day; Sept. 9, Admission Day; Sept. 10, Holiday)	17	"
Sept. 27 to Oct. 22 (Oct. 12, Columbus Day; Oct. 11, Education Day)	18	"
Oct. 25 to Nov. 19 (Oct. 25, ½ day, Edison day P. P. I. E.; Nov. 2, S. F. Day)	18½	"
Nov. 22 to Dec. 17 (Nov. 25, Thanksgiving; Nov. 26, Holiday; Nov. 29 to Dec. 4, vacation, last week of P. P. I. E.; Dec. 17, ½ day)	12½	"
	86	days

Schools close on Dec. 17th and reopen Jan. 3d, 1916.

Spring Term, 1916—

Jan. 3 to Jan. 28	20	days
Jan. 31 to Feb. 25 (Feb. 22, Washington's birthday)	19	"
Feb. 28 to March 24	20	"
March 24 to May 5 (April 10 to 14, vacation; April 17 to 21, Institute; May 1, May Day)	19	"
May 8 to June 9 (May 30, Memorial Day; June 9, ½ day)	23½	"
	101½	days

Schools close June 9 and reopen July 31, 1916.

SCHOOLS.

Number of High Schools, including High School of Commerce, Commercial Evening, Humboldt Evening High School, and North Beach Evening High School	8
Number of Grammar Schools	33
Number of Primary Schools	46
Number of Special Schools	3
Number of Evening Schools	12
Number of Intermediate Schools (Specialized Grammar)	3
Total number of schools	105
Number of school buildings owned by the department, Class "A"	7
Number of brick school buildings owned by the department, "Special Construction"	23
Number of brick and steel school buildings owned by the department Class "C"	14
Number of wooden school buildings owned by the department	44
Number of school buildings owned by the department Class "B"	1
Total number of buildings used by the department	89
Total number of rooms rented by the department	7

PRINCIPALS AND TEACHERS EMPLOYED DURING THE YEAR ENDING JUNE 30, 1916.

	Principals		Teachers			
			Regular		Special	
	Men	Women	Men	Women	Men	Women
Day High Schools	5	0	43	57	17	28
Evening High Schools	3	0	11	6	21	16
Day Elementary Schools	8	75	11	1002		
Evening Elementary Schools	9	2	7	31		5
Kindergartens						11
Schools (Evening) Home Economics						7
Domestic Science						18
Manual Training					18	
Athletics					9	4
Drawing						8
Music						2
Supervisor Primary Grades						1
Substitutes in Day Schools				86		
Substitutes in Even'g Schools				3		

SCHOLASTIC PREPARATION OF TEACHERS.

Number of Teachers (including Principals).

	Men	Women
Who are graduates of University of California	45	119
Who are graduates of Leland Stanford Jr. University	10	15
Who are graduates of other Universities	23	12
Who are graduates of other Colleges	16	29
Who are graduates of S. F. City Normal School or Class	0	376
Who are graduates of Chico State Normal School	2	15
Who are graduates of Los Angeles State Normal	1	4
Who are graduates of San Diego State Normal	0	0
Who are graduates of San Francisco State Normal	0	263
Who are graduates of San Jose State Normal	6	104
Who are graduates of Normal Schools of other States	2	24

CERTIFICATION OF TEACHERS.

	Men	Women
Number holding certificates of High School Grade	85	141
Number holding certificates of Grammar School Grade	17	1112
Number holding certificates of Primary School Grade	0	21
Number holding special certificate in Bookkeeping	7	14
Number holding special certificate in Domestic Science	0	29
Number holding special certificate in Drawing (all departments)	18	15
Number holding special certificate in Languages	2	28
Number holding special certificate in Manual Training (all departments)	26	1
Number holding special certificate in Music	1	51
Number holding special certificate in Physical Culture	10	7
Number holding special certificate in Stenography and Typewriting	6	22
Number holding special certificate Kindergarten	0	11

VOLUMES IN SCHOOL LIBRARIES AND STOREROOM.

(Including Books for Use of Indigents.)

	Volumes	Value
High Schools, including Humboldt Evening and S. F. Com'l	7,585	$6,070.00
Primary and Grammar Schools	90,659	39,976.00
Evening Schools	1,700	612.00
In Storeroom	2,465	1,232.50

SCHOOL VISITATION.

Official visits of Superintendent and deputies	5,266
Official visits by members of the Board of Education	2,050
Visits by other persons	71,818

"STATE SCHOOL ENROLLMENT" AND ATTENDANCE STATISTICS FOR THE YEAR ENDING JUNE 30, 1916.

ENROLLMENT.

High Schools	4,664
S. F. Commercial (Evening) (See note below)	1,504
Elementary	50,333
Kindergarten	897
Humboldt Evening High	2,298
Other Evening Schools	4,344
	64,040

AVERAGE DAILY ATTENDANCE.

High Schools	3,852
San Francisco Commercial (Evening) (see note below)	*195
Elementary	41,301
Kindergarten	430
Humboldt Evening High	*454
Other Evening Schools	*630
	46,862

Note:—This year, 1915-16, the San Francisco Commercial School is regarded as a high school.

GRADUATES.

Number of graduates from the grammar school for the year:

	Day	Evening	Total
Boys	1334	287	1,621
Girls	1522	228	1,750
Totals			3,371

Number of graduates from the high schools for the year:

	Day	Evening	Total
Boys	179	223	402
Girls	254	82	336
Totals			738

* Average daily attendance in Evening Schools is estimated on 50% basis.

DAY GRAMMAR SCHOOL GRADUATES BY SCHOOLS.

	December, 1915		June, 1916	
	Boys	Girls	Boys	Girls
Adams	19	6	16	16
Bay View	22	15	14	21
Bernal	20	16	26	40
Columbia	20	30	12	23
Crocker	31	33	30	39
Denman	....	15	....	17
Everett	16	25	20	20
Fairmount	26	20	32	43
Farragut	6	10	7	7
Francis Scott Key	....	....	4	6
Frank McCoppin	13	14	18	17
Franklin	7	6	11	8
Fremont	10	8	16	11
Glen Park	9	10	10	17
Grant	7	8	22	12
Grattan	13	12	14	10
Hamilton	44	38	27	36
Hancock	40	34	14	18
Hearst	12	14	14	18
Horace Mann	50	53	63	115
Hunters Point	....	1	....	....
Irving M. Scott	5	5	12	6
John Swett	27	19	21	15
James Lick	20	23	22	36
Jean Parker	....	19	....	22
Jefferson	....	....	1	4
Lafayette	5	6	1	8
Laguna Honda	13	28	25	22
Lincoln	2	3	7	3
Longfellow	7	11	....	....
Madison	23	13	12	18
McKinley	9	11	15	10
Mission	20	11	23	19
Monroe	18	20	20	30
Oriental	11	4	15	7
Pacific Heights	15	18	16	22
Portola	4	12	3	13
Redding	3	6	5	9
Rochambeau	12	8	13	7
Roosevelt	4	23	14	21
Sheridan	9	7	3	4
Sherman	4	5	12	7
Spring Valley	17	16	15	17
Sunnyside	5	2	4	2
Sutro	15	28	20	26
Visitacion Valley	....	....	9	11
Washington	26	....	16	....
Winfield Scott	3	6	5	1
Yerba Buena	4	6	9	10
	646	678	688	844

RECAPITULATION.

	Boys	Girls
December, 1915	646	678
June, 1916	688	844
Total	1334	1522
Total Boys and Girls		2856

* "STATE SCHOOL ENROLLMENT" BY GRADES AND SEX.

(State School Enrollment admits no duplication. Pupils promoted during the year are enumerated only in the grades from which they were promoted.)

DAY SCHOOLS.

	Boys	Girls	Total
Kindergarten	456	441	897
First Grade	5,970	5,250	11,220
Second Grade	3,867	3,644	7,511
Third Grade	3,665	3,298	6,963
Fourth Grade	3,089	3,007	6,096
Fifth Grade	3,032	2,697	5,729
Sixth Grade	2,444	2,517	4,961
Seventh Grade	2,145	2,239	4,384
Eighth Grade	1,637	1,832	3,469
Total Elementary and Kindergarten	26,305	24,925	51,230
High Schools—			
First Year*	1,080	1,407	2,487
Second Year	507	634	1,141
Third Year	219	338	557
Fourth Year	196	283	479
Total High	2,002	2,662	4,664
Grand Totals (Day Schools)	28,307	27,587	55,894

* These figures exclude those enrolling in January and who during the year were enrolled in the Grammar (8th) grade.

STATE SCHOOL ENROLLMENT—Continued.

EVENING SCHOOLS.**

	Men	Women	Total
Humboldt Evening High—			
First Year	1,294	433	1,727
Second Year	281	141	422
Third Year	123	10	133
Fourth Year	16		16
Totals	1,714	584	2,298
North Beach Evening High and Commercial Evening Schools—			
First Year	620	313	933
Second Year	477	154	631
Third Year	10	3	13
Fourth Year	6	1	7
Totals	1,113	471	1,584
Elementary Evening Schools—			
First Grade	306	43	349
Second Grade	115	10	125
Third Grade	452	96	548
Fourth Grade	691	151	842
Fifth Grade	277	65	342
Sixth Grade	483	94	577
Seventh Grade	382	64	440
Eighth Grade	355	680	1,035
Totals	3,061	1,203	4,264
**Grand totals Evening Schools	5,888	2,258	8,146
Grand totals Day Schools	28,307	27,587	55,894
Grand Totals	34,195	29,845	64,040

TEACHERS.

	Resigned	Died	Dropped from Roll	Total	Total No. of Teachers appointed Day and Evening High and Elementary
1911-12	33	9	10	52	116
1912-13	38	9	4	51	86
1913-14	38	14	7	59	83
1914-15	38	4	4	46	107
1915-16	41	13	2	56	105

** Evening Schools enroll only pupils who are over 15 years of age except a few who have been granted a permit to work but who are over 14 years of age. Many adults are enrolled.

REPORT OF THE BOARD OF EXAMINATION.

The Board of Examination is composed of: Superintendent Alfred Roncovieri, Chairman; Deputy Superintendent W. B. Howard, Secretary; Deputy Superintendent T. L. Heaton, Deputy Superintendent A. J. Cloud, Deputy Superintendent W. H. DeBell and Miss Magner.

The Board of Examination has conducted one examination, according to law, of persons desirous of securing certificates. It has met monthly and forwarded its recommendation to the Board of Education.

Herewith is a resume of its work:

CERTIFICATES GRANTED ON CREDENTIALS.

HIGH SCHOOL.

Men	18
Women	41
	59

ELEMENTARY.

Men	5
Women	141
	146

SPECIALS.

Men	6
Women	16
	22

RENEWALS.

Men	2
Women	37
	39

ON EXAMINATION.

GRAMMAR.

Men	0
Women	3
	3

REJECTED.

Men	2
Women	10
	12

SPECIALS.

Men	3
Women	11
	14

Number of Certificates issued	244
Number of Certificates renewed	39
Number of Applicants rejected	12
Amount fees collected of applicants, including renewals	$640

NECROLOGY.

Mr. Hudson Sheldon	Lowell High	July 20, 1915
Miss E. R. Stevenson	Girls High	Aug. 8, 1915
Miss Ida R. Strauss	Hamilton	Aug. 19, 1915
Mr. J. A. Longley	Lowell High	Aug. 19, 1915
Mrs. E. M. Doud	John Swett	Aug. 25, 1915
Miss Josephine A. McIntyre	Rochambeau	Sept. 25, 1915
Mr. D. J. Delay	Paul Revere	Nov. 22, 1915
Miss C. S. Sweeney	Haight	Dec. 27, 1915
Mrs. M. Gerhardt	Cookery	Jan. 4, 1916
Mrs. A. E. Tiernan	Rincon	Jan. 16, 1916
Miss Lyda Carroll	Franklin	May 2, 1916
Miss E. F. Bartlett	Madison	May 14, 1916
Mr. W. W. Stone	Lincoln	May 27, 1916
Mr. F. K. Barthel	Manual Training	July 20, 1916

REPORT TO UNITED STATES COMMISSIONER OF EDUCATION.

The following statement of the financial affairs of the Department was prepared in accordance with the request of the United States Bureau of Education.

STATISTICS FOR THE FISCAL YEAR ENDING JUNE 30, 1916.

A.—PAYMENTS.

I.—Expenses (Cost of Conducting School System).

	Total	Salaries	Other Objects
Expenses of General Control (Overhead Charges)—			
Board of Education & Secretary's office	$26,531.83	$24,717.00	$ 1,814.83
Inventory of stores	7,564.06	4,560.00	3,004.06
Offices in charge of buildings	3,765.26	3,600.00	165.26
Office of superintendent of schools	24,531.54	23,259.96	1,271.58
Enforcement of compulsory education and truancy laws	4,080.00	4,080.00	
Other expenses of general control	3,460.49		3,460.49
Total	$76,749.45	$60,216.96	$16,532.49

A.—PAYMENTS (Continued).

	Total	Day Schools: Elementary, including Kindergarten	Day Schools: Secondary (High)	Evening Schools: Elementary	Evening Schools: Secondary	*Special Activities	Unassigned
Expenses of Instruction—							
Salaries of principals and their clerks	$ 178,638.65	$ 156,198.65	$ 15,900.00	$ 3,900.00	$ 2,640.00		
Salaries of teachers	1,544,324.25	1,167,369.30	230,270.65	26,980.15	39,821.90	$15,682.00	$ 64,200.25
Stationery and supplies used in instruction	74,613.15	20,871.15	4,407.64	367.03	166.49	48,800.84	
Total for instruction	1,797,576.05	1,344,439.10	250,578.29	31,247.18	42,628.39	64,482.84	64,200.25
Expenses of Operation of School Plant—							
Wages of janitors and other employees	116,672.10	96,300.60	17,911.50	1,860.00	600.00		
Fuel	17,320.67	15,671.18	1,649.49				
Water	12,247.78						12,247.78
Light and power	8,541.57						8,541.57
Janitor's supplies	11,611.53	6,968.27	3,197.88	136.71	307.25	1,001.42	
Other expenses of operation of school plant	4,680.00						4,680.00
Total for operation	171,073.65	118,940.05	22,758.87	1,996.71	907.25	1,001.42	25,469.35
Expenses of Maintenance of School Plant—							
Repair of buildings and upkeep of grounds	120,635.55	195.27	24.28			16.00	120,400.00
Repair and replacement of equipment	869.99	821.38	48.61				
Insurance	1,225.91						1,225.91
Other expenses of maintenance of of school plant (labor)	14,753.25						14,753.25
Total for maintenance	137,484.70	1,016.65	72.89			16.00	136,379.16

A.—PAYMENTS (Continued).

	Total	Day Schools		Evening Schools		*Special Activities	Unassigned
		Elementary, including Kindergarten	Secondary (High)	Elementary	Secondary		
Expenses of Auxiliary Agencies—							
Supplies, lecture bureau	35.00					35.00	
Teachers' Institute	1,162.00					1,162.00	
Salaries, Social Centers	2,039.00					2,039.00	
Supplies, Social Centers	456.99					456.99	
Supplies, school museum	232.17					232.17	
Promotion of health, salaries and other expenses	18,507.68					18,507.68	
Total for auxiliary agencies	22,432.84					22,432.84	
Miscellaneous Expenses—							
Rent	1,595.60						1,595.60
Total miscellaneous	1,595.60						1,595.60
Total expenses	$2,206,912.29	$1,464,395.80	$273,410.05	$33,243.89	$43,535.64	$87,933.10	$304,393.81
II.—Outlays (Capital Acquisition and Construction).							
New buildings	$ 235,668.91	$ 150,391.79	$ 85,277.12				
Alteration of old buildings	222.80	222.80					
Equipment of new buildings and grounds	12,535.68		12,535.68				
Equipment of old buildings, exclusive of replacements	3,153.64	1,693.49	1,457.12	$ 3.03			
Classroom equipment	74,034.10	22,577.88	49,668.48	17.79	$ 157.25	$ 1,612.70	
Total outlays	$ 325,615.13	$ 174,885.96	$148,938.40	$ 20.82	$ 157.25	$ 1,612.70	

* Special Activities include lectures, playgrounds, social centers, etc.

Schools and Special Activities.

A.—PAYMENTS (Continued).

III.—Other Payments.

Redemption of bonds	$ 314,800.00
Payment of warrants and orders of preceding year	6,085.35
Payments of interest	285,074.25
Total other payments	$ 605,959.60
Grand total of payments for all purposes	$3,138,487.02
Balance carried forward to next year	$ 550,172.10

B.—RECEIPTS.

Revenue Receipts—	
Subventions and grants from state	$ 706,366.99
Appropriations from city treasury	326,441.79
General property taxes	1,933,507.92
Rents	98,142.50
Total revenue receipts	$3,064,459.20
Non-revenue Receipts—	
Loans and bond sales	$ 8,300.00
Sales of equipment and supplies	64.03
Total non-revenue receipts	$ 8,364.03
Total receipts	$3,072,823.23
Balances at beginning of year	615,835.89
Total receipts and balances	$3,688,659.12

STATISTICS OTHER THAN FISCAL FOR THE SCHOLASTIC YEAR.

	Total	Elementary including Kindergarten	Secondary (High)
Superintendents, and associate and assistant superintendents, whose duties are mainly connected with the general control of the system	1 Superintendent 5 Deputy Superintendents		
Supervising principals, principals of groups and districts, and principals of buildings or similar units, including only those persons devoting half or more than half of their time to control or administration, and supervision of instruction	84	76	8
Supervisors whose duties are mainly connected with the supervision of instruction of special subjects and grades, including only those who devote half or more than half of their time to supervision	10	10	0
Number of different individuals employed as teachers:			
Males	162	62	100
Females	1,359	1,252	107
Total teachers	1,521	1,314	207
Number of teaching positions (numbers of teachers necessary to supply the school)	1,521	1,314	207
Enrollment of pupils (net registration, excluding duplicates):			
Males	34,195	29,366	4,829
Females	29,845	26,128	3,717
Total enrollment	64,040	55,494	8,546
Aggregate attendance (total number of days attended by all pupils)	8,786,141	7,940,520	845,621
Average daily attendance	46,862	42,346	4,516
Number of days the public schools were actually in session	187½	*189 †187½	187¼
Number of schools buildings or units of plant, not including portable or temporary structures operated as part of a permanent building	91	86	5
Number of school rooms	1,455	1,294	160
Number of sittings or seats for study	54,430	49,861	4,569

* Kindergarten.

† Elementary.

Number of buildings not used for schools or special activities, occupied as office buildings, warehouses, etc., 2.

How many of the public high schools are in buildings not occupied also by elementary grades? 5.

How many public high schools belong to the city system? 8 (5 day and 3 evening). Normal schools? 0. Vocational schools, or schools for the industries? 1. Name any special schools, such as schools for the blind, deaf, feeble-minded, delinquents, dependents, etc. 1 for deaf, 2 for delinquents, 3 for defectives.

Have you any special activities connected with the school system, as lectures, playgrounds, social centers? Yes.

How many librarians and assistants are employed in school libraries? None. Libraries in each school are managed by the Principal.

How many school physicians are employed? 3. How many school nurses? 14.

How many truant officers? 3. What is their average salary? $1,440 each.

How many teachers are employed in the public evening schools? Males 50, females 67, total 117. How many of these are also teachers in the public day schools? Males 5, females 0, total 5.

* How many pupils are enrolled in the public elementary and high evening schools? Males 5,888, females 1,657, total 7,545. How many of these pupils were also enrolled, sometime during the year, in the public day schools? Males 0, females 0, total 0.

How many public kindergarten teachers were employed? 11.

How many children were enrolled in the public kindergartens? Males 456, females 441, total 897.

What is the length of school term provided by law or regulation, not omitting holidays, etc.? 100 school days. We have two terms of 100 days each.

Name of Superintendent for 1915-16, Alfred Roncovieri.

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* The elementary evening school enrollment was 3,663
The high evening school enrollment was 3,882

7,545

The average daily attendance of the evening elementary schools was actually 1,230, but under our State laws we are required to report only 50% of this number (615) for purposes of State apportionment of State school funds.

The average daily attendance of evening high schools on the basis of 187½ days' attendance was actually 1,328, but under our State laws we are required to report 50% of this number, or 664, for purposes of State apportionment of State school funds.

SOME SCHOOL STATISTICS FROM THE OPENING OF THE FIRST FREE

Year Ending Oct. 31.	No. of Schools.	Teachers.	Pupils Enrolled.	Average Daily Attendance.	Population.
1850	1	2	150	------	
1851	1	4	325	------	
1852	7	15	700	445	
1853	....	16	2,870	1,182	
1854	....	19	4,199	1,727	
1855	....	29	4,694	1.638	
1856	9	61	3,347	2,516	
Year Ending June 30.					
1857	....	60	2,821	2,155	
1858	....	67	5,273	2,521	
1859	11	75	6,201	2,829	56,802
1860	....	68	6,180	2,837	
1861	13	73	6,617	3,377	
1862	17	82	8,204	3,786	
1863	....	94	8,177	4,389	
1864	20	108	7,075	5,470	
1865	....	138	8,000	6,718	
1866	32	206	10,152	8,131	
1867	37	253	13,385	10,177	
1868	39	285	17,426	11,871	
1869	42	326	19,885	13,113	
1870	55	371	22,152	15,394	150,005
1871	56	416	26,406	16,978	
1872	56	480	27,664	18,272	
1873	58	506	27,722	18,550	
1874	64	510	29,449	19,434	
1875	64	552	31,128	21,014	
1876	66	574	34,029	22,761	
1877	66	632	37,268	24,899	
1878	65	672	38,672	26,292	
1879	64	696	38,129	27,075	
1880	59	685	38.320	28,150	234,144
1881	62	719	40,187	29,092	
1882	65	675	40,752	29,435	
1883	63	687	40,722	30,827	
1884	64	714	41,942	31,578	
1885	65	734	43,265	32,183	
1886	65	773	43,140	32,146	
1887	68	799	43,311	31,316	
1888	68	806	42,330	30,191	
1889	71	838	42,626	31,609	
1890	72	859	42,926	31,352	298,997
1891	73	879	43,626	31,809	
1892	75	897	46,172	32,431	
1893	76	929	45,775	32,799	
1894	73	866	44,349	32,939	
1895	75	904	44,822	32,974	
1896	76	927	45,435	33,508	
1897	77	974	46,564	33,531	
1898	92	1,070	50,101	35,116	
1899	90	1,074	48,972	36,830	
1900	86	1,061	48,058	35,004	342,782
1901	82	1,017	48,517	34,771	
1902	84	1,052	48,893	35,691	
1903	84	1,086	48,345	37,077	
1904	85	1,121	49,600	37,700	
1905	85	1,181	55,067	40,920	
1906	86	1,115	57,782	41,932	
1907	83	971	45,633	29,929	
1908	89	1,095	48,045	33,931	
1909	92	1,195	48,509	35,541	
1910	95	1,198	50,212	36,774	416,912
1911	100	1,227	51,462	37,736	
1912	105	1,308	53,160	40,448	
1913	105	1,423	53,757	42,820	
1914	104	1,478	57,852	44,388	
1915	104	1,485	61,941	46,562	
1916	105	1,520	64,040	46,825	

Compiled from the Report of San Francisco Superintendent of Schools of June 30,

PUBLIC SCHOOLS BY J. C. PELTON, DECEMBER, 1849, TO JUNE 30, 1915.

Expenses for All Purposes. (Inc. Bonds)	Cost per Capita on Average Daily Attendance.	School Census Children 4 to 18 Years.	Value of School Property. (Estimated)	Assessment of City and County Property.
.....	.....	500	.....	$ 21,621,214
.....	.....	1,510	.....	14,016,903
$23,125	51.96	2,132	.....	18,481,737
35,040	29.65	2,730	.....	28,900,150
159,249	92.21	3,268	.....	34,762,827
136,580	83.38	4,531	.....	32,076,572
125,064	49.71	4,751	.....	30,368,254
92,955	43.14	4,755	.....	35,397,176
104,808	41.57	6,375	.....	30,725,950
134,731	47.62	7,767	.....	30,019,222
156,407	55.13	9,025	.....	35,809,639
158,855	47.04	13,316	.....	41,870,811
134,576	35.58	13,358	.....	41,870,811
178,929	47.67	16,501	.....	66,566,655
228,411	41.76	18,748	.....	78,709,337
346,862	50.15	21,013	.....	83,197,725
		5 to 15 Years.		
361,668	44.48	17,369	.....	88,934,543
507,822	49.89	20,253	$1,057,000	96,740,159
416,654	35.09	23,306	1,368,000	109,360,825
397,842	30.34	24,817	1,531,000	106,414,128
526,625	33.56	27,055	1,729,800	114,759,510
705,116	41.53	28,971	1,786,400	106,391,876
668,262	36.02	31,936	1,810,000	105,025,534
611,818	35.45	34,676	.....	288,533,256
		5 to 17 Years.		
689,022	35.40	38,084	2,227,620	212,407,505
707,445	33.71	41,029	2,367,000	264,000,000
867,755	38.12	46,238	2,505,500	269,105,141
732,324	29.41	53,210	2,585,000	260,576,978
989,259	37.62	55,899	2,711,000	254,702,960
876,489	32.37	62,105	3,047,303	244,477,360
809,133	28.74	58,492	3,073,000	217,487,074
827,324	28.44	55,115	3,137,000	253,545,476
735,435	24.98	55,880	3,137,000	222,336,400
791,175	25.66	58,061	3,137,000	201,992,152
797,452	25.25	63,029	3,137,000	201,763,762
840,367	25.80	69,000	3,137,000	223,509,560
815,778	25.37	74,079	3,189,000	230,386,325
843,297	26.93	78,246	3,184,575	230,151,009
926,662	30.69	59,517	3,230,598	251,746,111
916,644	28.99	60,642	4,772,180	273,389,616
983,014	31.35	61,144	4,757,724	306,041,440
1,053,610	33.12	62,456	4,798,427	301,444,140
1,098,839	33.88	63,933	4,932,754	311,566,079
1,134,757	34.59	65,317	5,019,317	346,224,706
989,009	30.05	68,390	5,063,364	342,644,179
1,043,067	26.09	70,006	5,140,258	325,108,898
1,086,571	32.42	71,822	5,284,000	327,805,147
1,222,941	36.52	74,840	5,354,859	330,401,154
1,319,829	37.58	76,336	5,474,739	351,784,094
1,507,163	40.92	75,292	5,514,200	405,111,615
1,274,696	36.41	78,554	5,514,200	410,155,304
1,152,631	30.27	82,173	5,207,600	413,417,241
1,316,170	36.88	82,391	5,334,000	413,099,993
1,322,585	35.67	91,386	5,649,651	419,968,644
1,398,296	37.09	97,353	5,702,001	545,866,446
1,403,349	34.29	98,127	5,800,000	502,892,359
1,498,275	35.73	101,836	6,984,000	534,230,946
1,325,433	44.28	77,367	6,207,010	375,932,447
1,934,355	57.01	87,696	6,379,000	429,632,592
1,701,236	47.86	88,058	7,206,573	454,334,160
3,307,948	89.98	74,729	8,733,285	492,867,037
3,137,825	83.18	abolished	10,161,492	545,057,591
3,744,073	92.54		12,536,929	605,488,153
3,329,054.50	77.70		11,983,657	604,793,249
3,504,838.65	78.95		12,600,202	623,847,729
3,224,429.19	69.25		16,929,218	647,207,514
2,817,831.00	60.13		14,020,943	749,000,000

1912, and data from Auditor's Office, Assessor's Office. etc.

FOREWORD.

The Report of the Superintendent for the fiscal year 1914-15 gave a very complete exposition of the condition of the Department to July 1, 1915; and, subsequent thereto, very large supplements were appended, bringing the Report down to approximately March 1, 1916.

It has therefore been considered unnecessary in this Report (annual Report 1915-16) to repeat the content of the former Report in toto. Instead, the period from March 1, 1916, to July 1, 1916, only has been covered herein insofar as educational progress and conditions are concerned, and reference made to the earlier Report for preceding periods. The title-heads herein used are those of the former Report. Statistical matter for the entire fiscal year 1915-16 is, however, herein contained.

PRINCIPALS' AND TEACHERS' MEETINGS.

These meetings, as described in the report of 1914-15 (to which reference is hereby made) were held regularly during the spring term 1915-16. One of the most important discussions was that at the May meeting on the topics "Grading of Review Papers" and "The Basis of Promotion". Deputy Superintendents DeBell and Cloud led the discussion on each of these topics respectively.

SCHOOL MUSEUM.

The immediate opportunity afforded by the presence of the Panama-Pacific Exposition to collect material to form the nucleus of a School Museum, and the function to be exercised by such an institution, are set forth in the report of 1914-15 (to which reference is hereby made).

The Committee of teachers having this matter in charge, headed by Mr. F. K. Barthel, with Mr. Con A. Davis, chief assistant, showed great devotion to the work and accomplished important results. While, as yet, no definite sum has been set aside to put the collected material in shape for concrete use in the schools, it is hoped that the Museum may be organized during the coming year.

GARDENING.

There has been little change in this important phase of school work since the report of 1914-15 (to which reference is hereby made).

In our official recommendations to the Board of Supervisors on the financial needs of the Department, in May, 1916, we asked for an appropriation of $5,000 for the extension of school gardening; but no specific sum was allowed; and no definite action has been had.

We renew our frequent recommendations in this particular.

NATURE STUDY AND ELEMENTARY SCIENCE.

Class-room work in this study (as described in the report of 1914-15, to which reference is hereby made) has progressed favorably, though hampered by lack of equipment. In our official recommendations to the Board of Supervisors on the financial needs of the Department, in May, 1916, we asked for an appropriation of $5,000 for materials and equipment for the extension and improvement of the Science Course; but no specific sum was allowed; and no definite action has been had.

PENMANSHIP.

Owing to the adoption of the Zaner System of Penmanship books by th State Board of Education, to be introduced in all elementary schools of Cal

fornia in the Fall Term 1916, it has been necessary to make radical readjustments in the Course of Study in this subject. Teachers throughout the department have been thoroughly advised of the contemplated change. The Superintendent secured the services of Mr. C. P. Zaner, author of the newly adopted series, to lecture before the teachers of the department, in April, and also to give counsel in regard to the new lines of work. It is thus thought that the readjustments will be effected without undue difficulty.

In our official recommendations to the Board of Supervisors on the financial needs of the Department, in May, 1916, we asked for an appropriation of $5,500 for a Supervisor of Penmanship and two assistants; but no specific sum was allowed and no definite action has been had.

OVERCROWDED CONDITIONS.

Realizing the necessity for the establishment of new classes to relieve congestion in the schools, as described in the report of 1914-15 (to which reference is hereby made), the Board of Education has increased the teaching force for the coming fiscal year by sixty-nine appointments in the elementary schools, and thirty-four in the high schools. We take pleasure in commending this action.

UNGRADED CLASSES.

A thorough-going analysis of the function and value of the Ungraded Class is furnished in the report of 1914-15 (to which reference is hereby made).

During the past term a few classes of this general description, though not specifically so designated, have been established by the Board of Education. We reiterate former recommendations that a much larger number be formed. At least twenty are urgently needed.

In our official recommendations to the Board of Supervisors on the financial needs of the Department, in May, 1916, we asked for an appropriation of $25,000 for this purpose; but no specific sum was allowed.

SPECIAL UNGRADED SCHOOLS.

We renew the recommendations on this subject contained in the report of 1914-15.

SUBNORMAL CLASSES.

We renew the recommendations on this subject contained in the report of 1914-15.

VACATION SCHOOLS.

We have watched with great interest the remarkable success achieved by Vacation Schools in many cities of the Union. In our reports for the past several years we have presented the argument in favor of such schools, and have strongly urged the Board of Education to make a beginning, no matter how modest, in organizing such schools. We regret that we have met with no success in this endeavor.

In our official recommendations to the Board of Supervisors on the financial needs of the Department, in May, 1916, we earnestly asked for the meagre appropriation of $5,000 for this purpose; but no specific sum was allowed, and no action has been had.

We strongly renew our recommendations on this subject, as contained in our last several reports.

HEALTH.

The article under this heading in the Report of 1914-15 (to which reference is hereby made) gives a detailed explanation of conditions in this respect.

In our official recommendations to the Board of Supervisors on the financial needs of the Department, in May, 1916, we asked that an additional sum be allowed the Board of Health for the extension of this work.

INTERMEDIATE SCHOOLS.

In view of the success of the three schools of this type described in the Report of 1914-15 (to which reference is hereby made) we asked in our official recommendations to the Board of Supervisors, in May, 1916, that the sum of $15,000 be appropriated for establishing and equipping three additional Intermediate Schools; but no specific sum was allowed; and no action has been had.

SUBSTITUTE TEACHERS.

To carry into effect the plan for an improved substitute list, as set forth in full in the Report of 1914-15 (to which reference is hereby made), we asked in our official recommendations to the Board of Supervisors on the financial needs of the Department, in May, 1916, that an appropriation of $5,000 be made. No specific sum was so appropriated.

ENFORCED ATTENDANCE.

Referring to the treatment of the subject of Enforced Attendance, in the report of 1914-15 (which see), we desire to repeat our recommendation that a system of absent cards be inaugurated, for the purpose of preventing children of school age from being on the street during school hours, and of requiring their presence at school, in accordance with State law. No action has been had on this recommendation.

The following Age and Schooling Certificates (Working Permits) were issued by the office of the Superintendent of Schools during the fiscal year 1915-16:

AGE AND SCHOOLING CERTIFICATES ISSUED TO CHILDREN FROM JULY 1, 1915, TO SEPTEMBER 10, 1915 (OLD LAW).

Certificates issued to children between 15 and 16 (not graduates)	132
Certificates issued to children between 15 and 16 (graduates)	24
Temporary Permits issued to children between 12 and 15 years	22
Certificates issued to graduates under 15 years	12

AGE AND SCHOOLING CERTIFICATES ISSUED TO CHILDREN FROM SEPTEMBER 10, 1915, TO JUNE 30, 1916 (NEW LAW).

Owing to changes in the law, in operation on and after Sept. 10, 1915, Age and Schooling Certificates cannot be issued to children under 14 years or who have not completed the 7th grade.

Certificates issued to children between 15 and 16 (not graduates)	126
Certificates issued to children between 15 and 16 (graduates)	63
Temporary Permits issued to children 14 years or over	19
Certificates issued to graduates over 14 years of age but not 15 years	3

THE CURBING OF TRUANCY.

The work of the Truant Officers of the School Department, who are members of the police force especially detailed for this duty, has lost nothing in importance, though, as will be shown by a comparison of figures, the efforts of the officers are bringing about a steady improvement in the conditions which make their services necessary. Their labors continue arduous, however, the more so that there are now but two truant officers available where there were formerly three. The larger number was by no means in excess of the requirements but, owing to the need believed to exist for the strengthening of the ordinary branches of police service, Officer J. H. Duggan was recalled to regular street duty three months ago, leaving the truancy work to be done by Officers Eugene Sweeney and E. J. Nolan. As a result the pressure upon these two officers has been materially increased, but I take pleasure in testifying to my belief that they have made every effort to meet effectively their increased responsibilities.

The following tabulated statement shows, in outline, the work done by the truant officers during the school year (fiscal year) which began July 1, 1915, and ended June 30, 1916:

Number of truancy complaints investigated, reported on to principals and followed up further when necessary	3720
Number of children found on streets during school hours and reported back to principals	1284
Number of children taken before Juvenile Court	115
Number of parents taken before Juvenile Court	114
Total number of cases so disposed of	5233

That the efforts of the Truant Officers have not been without effect, not only in the immediate enforcement of the rules against truancy, but also in a general discouragement of this offense, is made evident by a comparison of the figures given above with the corresponding showing for the previous year. For example, the total number of truancy cases referred to the Truant Officers by principal and others for investigation was 4024 in 1914-1915 as against 3720 in 1915-1916, and this despite an increased enrollment in the latter year. Also, during the former year 2219 school children were found on the streets during school hours, as against 1284 during the latter. Again, the number of children taken before the Juvenile Court was 160 in 1914-1915, and but 115 in 1915-1916, while in the latter year only 114 parents were cited before that tribunal as against 149 in the former.

In addition to the work outlined in the foregoing tabulation for 1915-1916, the Truant Officers were also called upon to investigate numerous cases of boyish mischief or more serious vandalism, their efforts toward the detection of the offenders, the enforcement of reparation, and the bringing about of punishment, where a penalty of such character has seemed necessary, being uniformly successful. In the great majority of cases parents of the children at fault have been promptly made to see the wisdom of replacing broken glass or providing for other necessary repairs. The tendency to petty pilfering from school premises by children lacking in proper impulses and training, likewise by more blameworthy offenders of larger growth, has also been kept well in check by the watchful zeal of the Truant Officers.

IMMIGRANTS.

A clear statement of the value and function of classes for immigrants is made in the report of 1914-15 (to which reference is hereby made.)

That the work actually being carried on in one of our evening schools in this particular direction may serve as an illustration of that being done in several

others, we here set forth details of the instruction being given to immigrants at the Lincoln Evening School under the direction of Mr. Frank Fenton, Principal, and Miss Charlotte Wheeler, teacher.

The Lincoln Evening School has three classes devoted to the instruction of foreigners. The course embraces:

(a) Reading by a phonetic system, that is, placing the sounds and increasing the vocabulary, aided by charts, pictures and review cards.

(b) Conversational methods and written composition, a dramatic object method of acting, based on a thorough drill of the verbs in common use.

Example—Lesson 1. Objects—Hands, face, soap, water, towel. Verbs—See, saw, wash, washed, wipe, wiped.

These lessons are so arranged that the work syncronizes.

One term of five months enables the educated foreigner to enter the 6th or 7th grade.

The illiterate student requires at least a year in this drill class.

The pupils are encouraged to enter the graded classes and study the regular grammar grade work as soon as possible, and their work is so arranged that they may do so. In fact, many stay to graduate and receive diplomas.

Lessons in citizenship, civics and history are taught to the advanced pupils nightly.

Emphasis is put upon the necessity of students in the citizenship class spending at least three full months in night school each of the five probationary years before final papers are issued to them.

Patriotism and love of the American flag and institutions is instilled by flag drills, stories of American heroes and public men, and the singing of patriotic songs.

The class teacher attends with each class court proceedings, where final examination for citizenship papers is held.

The principal examines each individual of the class before appearance in court, in order to insure the success of applicant.

We recommend again that an additional number of such classes be established.

VISUAL EDUCATION.

We renew the recommendations on this subject contained in the report of 1914-15.

To endeavor to accomplish such an end, in our official recommendations to the Board of Supervisors on the financial needs of the Department, in May, 1916, we asked for an appropriation of $2,500 for this purpose; but no specific sum was allowed, and no action has been had.

ELEMENTARY CERTIFICATION ON EXAMINATION.

In accordance with a change in the State School Law (Section 1790) the Board of Examination has held no examination for the elementary teachers' certificate since the date of the supplement to the report of 1914-15. The next examination has been set for December, 1916.

CONTINUATION CLASSES.

In our official recommendations to the Board of Supervisors on the financial needs of the Department, in May, 1916, we stated the case for the establishment of Continuation Classes, as follows:

"Continuation Classes—$10,000. A large number of young men and women who have left school and who are employed in wage earning need additional education in academic and technical branches to make their labor most useful to

themselves and to the community. For these we should establish morning classes from 8 to 10 a. m. as now carried on at the private expense of some of the large firms of this city. While it is true that we have evening schools it is always better, if possible, for the young people who need additional education to attend these morning classes at the expense of the employer who, in many cases, is willing to grant his youthful employees permission to study at his expense. Morning Continuation Classes would be a God-send to a great many, especially to young girls whose parents do not wish them to attend evening classes. Besides, the minds of these young people are clearer in the morning and not over-burdened with the fatigue of the labors of the day as when they attend evening schools.

In keeping with the idea of the "Wider Use of the School Plant", our Manual Training and Cooking laboratories used by the pupils of the day schools and which are now closed evenings and Saturdays should be opened every evening and Saturdays.

Sewing, Dressmaking, Millinery and Cooking would be largely patronized if all of these laboratories were opened in the evening. At present we have about four such centers and these are not open every evening in the week. Wood and Metal-work, Mechanical and Architectural Drawing in these laboratories would offer means of promotion to large numbers of young men who are working along these lines during the day. $10,000 is a very small sum to start this work, for I feel confident that if such an opportunity is given to our young people that in the near future thousands of serious-minded apprentices in the trades will gladly avail themselves of this opportunity."

No specific sum for this purpose was allowed, and no action has been had. We renew our recommendation on this subject.

SUPPLEMENTARY BOOKS.

In our official recommendations to the Board of Supervisors on the financial needs of the Department, in May, 1916, we said in part: "The schools of San Francisco are in urgent need of supplementary text-books. This is one of the greatest needs of our schools". We asked for an appropriation of $50,000 for this purpose; but no specific sum was allowed.

HIGH SCHOOLS.

An exhaustive report on the Course of Study and the general conditions in the San Francisco high schools is contained in the report of 1914-15 (to which reference is hereby made). The recommendations embodied in that report were later presented in separate form to the Board of Education, and action has been had on a number of them. The recommendations for particular schools that have been accepted are: at the Girls High School funds for the installation of a course in Cooking have been allowed; at the High School of Commerce a General Science course, well equipped, has been established, and provision made to relieve overcrowding; at the Mission High School, the commercial course and the course in drawing have been extended; and readjustments and increases in the teaching corps have been made at the Polytechnic and Lowell. The general recommendations for the high schools that have been accepted are: three additional teachers of music, and a full corps of teachers (8) to carry on a program of physical education for both boys and girls.

In our official recommendations to the Board of Supervisors on the financial needs of the Department, in May, 1916, we asked for the following amounts:

(1) For permanent equipment, $49,500 (including an annex to the Mission High, but exclusive of the sum of $30,000 asked for the equipment of the Polytechnic by the Board of Education and concurred in by the Superintendent).

(2) Supervisor and Assistants of Drawing, $3,000.

(3) Five Music Teachers, $7,500.

While these sums were not specifically appropriated by the Board of Supervisors for the purposes aforementioned, the Board of Education has been able to allow considerable amounts to accomplish these various purposes.

We desire to commend the action of the Board of Education in regard to our high school recommendations.

TEACHERS' INSTITUTE.

The annual institute of the teachers of the City and County was conducted during the four days beginning April 17, 1916, in conjunction with the annual session of the California Teachers' Association-Bay Section. The attendance was very large, the speakers were enthusiastically greeted and attentively listened to, and in all othr respects this Institute was one of the most successful ever held. We were very fortunate in being able to secure the services of the Honorable P. P. Claxton, United States Commissioner of Education, as the chief lecturer on the program.

An outline of the programs of the General Sessions, and of the Elementary and High School Departments follows:

GENERAL SESSIONS.

Monday, April 17, 1916, 9:00 A. M.

Community singing.

Call to Order and Opening Remarks—President Cloud.

Recital of Folk-Lore—Mr. Henry Kendall Bassett, formerly Assistant Professor of English, University of Wisconsin.

Community singing.

Address, "What We Owe the National Red Cross"—Hon. Samuel M. Shortridge, San Francisco.

Lecture, "The Place of the High School in Our Public School System"—Hon. P. P. Claxton, U. S. Commissioner of Education.

Thursday, April 20, 1916, 9:30 A. M.

Lecture, "The Teacher"—Mr. John H. Francis, Superintendent of Schools, Los Angeles.

Soprano solos—Madame Jeanne Gustin-Ferrier. (a) Aria "Madame Butterfly", Puccini; (b) "Old Italian Folk Songs", "La Colomba" arranged by Schindler. Mr. Jno. Tibbets at the piano.

Lecture, "The Civic Education of the Immigrant"—Miss Mary Antin, author of "The Promised Land", "The Knock at Our Gates," etc.

Thursday, April 20, 1916, 1:30 P. M.

Orchestra.

Address—His Honor, James Rolph, Jr., Mayor of San Francisco.

Baritone solos—Mr. William H. Keith. (a) "Sancta Maria", Faure; (b) "Alla Stella Confidente", Robaudi. Violin obligato by Mr. Nat J. Landsberger. George Lerond at the piano.

Lecture, "More Salubrities I Have Met"—Mr. John Kendrick Bangs, author of "A House Boat on the Styx", "The Genial Idiot", etc., etc.

Orchestra.

Regular annual business meeting of the Bay Section C. T. A., same hall. Members only are entitled to participate in the business meeting. Order of business: Reading of Minutes of last Annual Meeting; Report of Board of Directors: Election Returns; Unfinished Business; Reports of Committees; New Business: Installation of President-elect.

Adjournment.

SYNOPSIS OF RECOMMENDATIONS MADE BY THE SUPERINTENDENT OF SCHOOLS SINCE JANUARY, 1913.

(For recommendations for the several years prior to this date see Superintendent's report of 1912.)

March, 1913.

First—That work in Manual Training and Domestic Science be extended, and that these Centers be open on Saturday mornings.

Second—That Vacation Schools be organized (renewal of earlier recommendation).

Third—That Continuation Schools be organized.

Fourth—That work in School Gardening be extended (renewal of earlier recommendation).

Fifth—That a complete course in Music be established in the High Schools, and that one teacher in this subject be appointed for each high school.

May, 1913.

That three designated Elementary Schools be organized as Intermediate Schools, and that suitable modifications of the existing Courses of Study of those schools be made.

July, 1913.

First—That the new High School Course of Study prepared and presented by the Superintendent be adopted and printed.

Second—That the Course of Study for the elementary schools be revised in such a manner as to reduce the amount of academic work and increase the amount of manual and vocational work.

August, 1913.

First—that supplementary books be purchased for Science Work in the grades, and giving a list of such books.

That specific changes in the elementary Course of Study in Geography, History, Nature Study and Science be adopted.

July, 1914.

That Ungraded Classes be established and extended.

November, 1914.

First—That self-testing cards be supplied the primary classes of the department.

Second—That School Gardening be extended (renewing former recommendation).

Third—That a plan formulated to increase the daily attendance in the schools and to enforce compulsory education law be ratified.

December, 1914.

First—That the elementary schools classification be completed by 12 o'clock on the last day of each school term.

Second—That a revised Elementary Course of Study, prepared and presented by the Superintendent, be adopted and printed.

May, 1915.

First—That certain administrative improvements be made in regard to the classification reports, transfers of pupils from primary to grammar schools, and in the organizing of Manual Training and Domestic Science classes at the opening of school terms.

Second—That a Course of Study for visits to the Panama-Pacific International Exposition, prepared and presented by the Superintendent, be ratified.

June, 1915.

That a Time Schedule for the Intermediate Schools, prepared and presented by the Superintendent, be adopted.

July, 1915.

First—That teachers be selected to study under Madame Montessori in classes to be conducted by her in San Francisco.

Second—That the necessary apparatus for inaugurating the Language-Phone Method of teaching foreign languages be supplied the Polytechnic High School.

August, 1915.

That a four year History Course be organized at the Polytechnic High School.

October, 1915.

First—That in high schools no student activities be allowed during regular school hours.

Second—That the Girls High School be equipped for courses in Household Arts, including Sewing, Dressmaking, Millinery and Cooking.

December, 1915.

First—That a course in the education of immigrants, in furtherance of the commendable efforts of the Bureau of Naturalization of the U. S. Department of Labor, be organized at the Hancock School Building at night time, and that the school in that location be hereafter designated as the North Beach Evening Continuation School.

Second—That a course in Physical Education be prescribed for all boys in the first year at Lowell High School.

Third—That, to improve the conditions relative to the assignment of probationary teachers, a detailed plan, prepared and presented by the Superintendent, be ratified.

January, 1916.

That a schedule for inclement days, prepared and submitted by the Superintendent, be adopted.

February, 1916.

First—That Dr. F. B. Dresslar be invited to examine the plans of the Redding School.

Second—That physical education in the high schools including military training and tactics, be more definitely organized.

April, 1916.

That teachers of the department attending the 1916 Summer Session of the University of California be excused from class-work during the first week of the Fall Term, 1916, without loss of pay, and that necessary substitutes be employed to fill temporarily their positions during said first week.

May, 1916.

First—The "Report on high schools and recommendations concerning the same", rendered May 9, 1916, is herein summarized:

(a) That the high school day be extended to a six hour schedule.

(b) That adequate clerical help be provided the principals.

(c) That at least one teacher of Music be assigned to each high school and that Music be accorded full recognition as an elective study.

(d) That supplementary books be provided.

(e) That a "Dean of Girls" be appointed for each high school.

(f) That physical education be extended.

(g) That, in the High School of Commerce, a course in applied Arts be installed; that the Science Course be enriched by the introduction of a practical course in Physics; that a course in Salesmanship be begun; and that Heads of Departments be appointed.

(h) That, in the Mission High School, the Commercial Course be extended and strengthened; that the Household Economic Course be extended and improved, and that a temporary building be constructed to accommodate departments of this school not properly housed.

(i) That, in the Girls High School, a thorough and complete course in Household Economics be organized; that Spanish be introduced as an elective study; that an elective course in typewriting and stenography be placed in the third and fourth years of this school; and that a head of the Science Department be appointed.

(j) That, in the Polytechnic High School, a course in Latin be organized in the third and fourth years, and that the teaching time of teachers of academic subjects be reduced to a basis approximating twenty-eight periods per week.

(k) That, in the Lowell High School, the teaching time of teachers be placed on a basis approximating twenty-eight periods per week; and that a faculty secretary be appointed.

Second—That a one hour course in Vocational Guidance for senior students be organized at the Polytechnic High School.

Third—That the following modifications in the Course of Study of the Lowell High School be approved:

(a) That the Science taught in the second year be Biology in place of the choice of Botany or Zoology as heretofore.

(b) That a course in Physiology (with special attention to Hygiene) be given as an additional elective course in the third year, open to third and fourth year pupils.

(c) That an elective course in Domestic Chemistry be given in the third year, open to the girls in the third and fourth years.

(d) That the modern languages, French, German, Spanish, be made elective in the second year with Greek or Science, thus providing for complete three year courses in each modern language in place of the former two year courses.

Fourth—That afternoon recesses be held in elementary schools with this qualification that, whenever need for deviation from said rule arise in individual schools, the principal shall present such need to the Superintendent of Schools and he shall thereupon act as he deems best.

Fifth—That a small sum of money be set aside for the purpose of paying transportation expenses of defective children to enable them to attend schools set aside for such pupils, when it appears that the parents of such children cannot afford to pay that expense.

June, 1916.

First—That, at the Humboldt Evening High School, an office assistant and recorder be appointed; and that a teacher of Penmanship be appointed.

Second—That recommendations relative to the high school needs, set forth in the "Report on High Schools and Recommendations" of May, 1916, be reaffirmed, with details as to necessary appointments and assignments.

July, 1916.

First—That thirty-four new classes be organized at specified schools; that overcrowding be avoided by erecting temporary buildings in two specified locations; and that consolidations of classes be effected in specified locations.

Second—That a submitted list of text-books for high schools be adopted.

August, 1916.

That the Board of Education set aside and employ sufficient funds for the purpose of engaging the services of truant officers under its own direction.

THE CIVIL SERVICE PLAN FOR THE APPOINTMENT OF TEACHERS FOR THE CITY AND COUNTY OF SAN FRANCISCO.

By Alfred Roncovieri.

As the real objective of education is the rearing of a perfect citizen, so should it be the purpose of governing educational bodies to adopt and enforce a system through the exercise of which the services of the most competent instructors may be secured. It is not educational qualifications alone which denote the successful teacher, any more than the adoption of an excellent course of study could be said to insure the successful education of a pupil. A teacher must be, aside from the standpoint of academic qualifications, of agreeable disposition, strong personality, good bearing and address, as well as perfectly sound in health and possessed of sufficient bodily vigor to do effective teaching. The importance of a teacher's life work can not be over estimated. To her is entrusted a sacred duty, since the child comes directly under her control during its formative period. None can gainsay the fact that the force of the teacher's example, and the general environment of the classroom, play a most important part at this impressionable stage of a child's career.

The most solemn duty which devolves upon a Superintendent of Schools and a Board if Education is the selection of the best teachers in the United States for the education of the innocent children who are entrusted to their care. All other duties sink into insignificance compared to this one. Therefore, a sound plan for the selection and appointment of teachers is the most important function in the proper administration of public schools. With these ideals in mind, a plan was adopted and a crude beginning was made in the fall of 1901. This was the first attempt ever made in San Francisco to hold a competitive examination of teachers.

In the Spring of 1902 I worked out the details of the present plan and placed it definitely on a practical basis by making many changes and introducing innovations theretofore untried.

After three years of preliminary trial and experimentation with this system, which proved its practical effectiveness and its fairness to the satisfaction of all concerned, I requested the Board of Education formally to adopt the competitive civil service plan which I had prepared. This was done by resolution of the Board in May, 1904, and the system became thereafter permanently fixed in the San Francisco School Department.

This Competitive Civil Service System has been faithfully adhered to ever since its formal adoption, although modifications and improvements have been made from time to time on my recommendation, and the plan has been strengthened until now we believe we have the best system yet devised for the selection and appointment of teachers.

San Francisco, through the sifting process of this Civil Service Plan, has become possessed of a corps of well-prepared, enthusiastic, faithful and efficient teachers unsurpassed in any other school department in the United States.

In preparing the present Competitive Civil Service Plan and in proposing its permanent adoption my object was to eliminate and prevent all political, social, fraternal and religious "Pulls" from exercising their pernicious influences in the conduct of school affairs. Under this system applicants for positions are not obliged to expend their time, energy and money in "seeing" and "influencing" the Superintendent of Schools or the members of the Board of Education, or in importuning their friends to do this for them. Those who are successful in the examination, and who receive appointments in the order of their rank, are relieved from anxiety and worry, and are free to devote all of their time to their work. They are not obliged to keep in touch with politicians or other "influential citizens", or to dance attendance on a too frequently complacent Superintendent

of Schools, who is himself the creature of a Board of Education. many members of which are ordinarily controlled by political and other dark considerations.

Annually in the months of May and June many cities drop all their teachers from the roll. The entire teaching force is dismissed in order to "get" one or more teachers who have not been "right". Great injustice is often done in this way. Frequently teachers of excellent character and ability are not re-elected for the sole reason that they are "not politically right."

To dismiss all the teachers of the department, and almost immediately to re-elect all who are "satisfactory" (?), dropping from the new list by omission of their names, those who are "not satisfactory" (?), is a piece of cowardice on the part of the Superintendent who engages in this dirty work, and a disgrace to the Board members who are guilty of taking part in such sharp practice. If a teacher is no longer wanted, owing to good and sufficient reasons, the school authorities should have enough manhood to tell her so, first giving her an opportunity to be heard in a public meeting if she so desires. To drop the teacher in an underhand way attaches dishonesty and shame to any school superintendent or board member who engages in it. It is crooked work, and succeeds only when a superintendent appointed by a Board of Education is of the kind willing to take orders from the Board and to make a door-mat of himself to save his job.

The San Francisco Competitive Civil Service System for the selection of teachers, if adopted everywhere, would prevent the injustice so often practiced on excellent teachers by removing them from the too-often baneful influence of an appointed superintendent who holds his position by the grace of politicians and a political Board of Education, and who, to retain it, is compelled to play the "trimmer" almost constantly.

I am induced to elaborate thus in explanation of the San Francisco Competitive Civil Service System because at times petty and unjust reflections have been cast upon the teachers of this city and upon the Superintendent of Schools by self-appointed educational critics.

The honest treatment and square deal given to all those who have been candidates in the competitive examinations is evidenced by the fact that in sixteen years not a single complaint against our system has ever been made by any one of the hundreds of candidates who failed to pass the examination.

It is not difficult to account for the eagerness displayed by teachers throughout California and other States to secure positions in San Francisco. Our city offers the most attractive field of labor on the coast, higher salary, permanent tenure, social and educational advantages, and finally, the enjoyment of a pension at the time of retirement.

Private and personal interests, and established custom, at first opposed our Competitive Civil Service system for the appointment of teachers. But, after a trial of sixteen years our system is here to stay, for it rests upon correct principles.

I believe that public sentiment will in due time cause our present Competitive Civil Service Plan to be formulated into a State law making it a compulsory on all Boards of Education to select their teachers impersonally and on merit alone.

In developing and perfecting the present competitive system which I count the most important educational work for which it is my privilege to claim at least a considerable share of responsibility, I had in mind the following statement of principles found in a report addressed to the Board of Education in 1901, by a select committee composed of President David Starr Jordan, President Benj. Ide Wheeler, State Supt. Thomas J. Kirk, Dr. E. P. Cubberley, Dr. Frederic Burk and Dr. Elmer E. Brown:

PRINCIPLES UNDERLYING THE SELECTION OF TEACHERS.

I. The sole purpose of the public schools is education. No consideration whatever, other than educational interests of pupils, can honestly enter into any plan for the appointment of teachers. In no sense do schools exist to provide employment for teachers.

II. No one should be employed as a teacher who does not possess high personal character, liberal education and bodily health and vigor.

III. Successful experience is manifestly the best evidence of fitness for appointment.

IV. Professional training in the principles and practice of teaching is desirable, and is increasingly demanded in systems of public education.

V. The duty of the Board of Education requires that these officers should frequently take the initiative in securing the best possible teachers for the schools under their management. It is not sufficient that they should merely select from the candidates who apply for appointment.

VI. The employment of any sort of personal or political influence to secure appointment to the teaching force, or the urging of any consideration other than fitness for the work of teaching as a ground for such appointment, is held to be an act of unprofessional conduct.

GENERAL PROVISIONS REGULATING THE EXAMINATIONS.

The San Francisco Competitive Civil Service System for the selection and appointment of teachers disregards all questions of personal, social, political, fraternal or religious influences. It is based *solely on merit* as primarily determined by the competitive examination of applicants who already hold regular teachers' certificates issued under the laws of the State of California, and by a successful probationary period of actual teaching covering two years.

The object of the examinations is not primarily to test applicants as to their proficiency in primary and grammar studies, but to select the best of those graduates of Normal Schools and Universities who are already certificated as teachers under our State laws. Applicants must furnish, before the examination, full information relative to their academic preparation, their professional training and their experience in teaching. Each applicant must give the names of not less than three nor more than seven persons who are competent to speak of his or her moral character and fitness for the work of teaching. Such references must include persons whose official positions enable them to give the most exact and pertinent information with regard to the applicant's scholarship, training, experience and general character and efficiency. General letters of recommendation are not considered. Confidential statements are requested from persons competent to speak of the applicants' qualifications. Such statements are made in answer to a uniform list of questions, and in case of doubt supplementary information relating to these questions is called for from other persons who may be deemed competent to speak intelligently of the candidate's qualifications.

These evidences of the qualifications of the applicants are canvassed, and a list is prepared of candidates who are to participate in the competitive examination. No candidate for the Civil Service Examination is included in this list who does not hold a valid California State teachers' certificate of a grade not lower than the grammar grade authorizing such candidate to teach in the schools of the State. Nor is any applicant included in this list if the information obtained indicates that such applicant is not a suitable person to be appointed as a teacher in the schools of San Francisco.

During the oral examination applicants have ample opportunity to demonstrate their fitness and general ability, but no applicant is privileged to call on the

Superintendent, or members of the Board, individually to press his or her claims for appointment, nor must the friend of any applicant endeavor to use any personal, political or social influence with any member of the Board. The employment of any sort of personal, political or social influence to secure appointment to the teaching force, or the urging of any consideration other than fitness for the work of teaching as a ground for such appointment, is held to be an act of unprofessional conduct, and debars the candidate from taking the examination.

It is the duty of the Superintendent and of every member of the Board of Education immediately to report the fact, should any attempt be made by any one to employ improper personal, political, or other influence in connection with these examinations; and the candidate concerned in such attempt would thereafter be considered debarred for appointment, assignment, or election to a teaching position unless such candidate satisfy the Board that he or she was not responsible, either directly or indirectly, for the actions so reported.

All assignments to teaching positions on the schools of San Francisco are made from a Substitute List, and no person is appointed to this list except by a unanimous vote of the Board, and after having successfully passed the regular Competitive Civil Service Examination.

To insure absolute fairness in the examinations the system includes a plan by which the identity of all of the candidates is completely concealed from the examiners and from everyone else, until the percentages attained by all of the candidates in all of the tests have been determined and recorded.

All teachers before being appointed must show that they are under 35 years of age, and must obtain from one of the consulting physicians of the Board of Education a certificate showing that the holder is perfectly sound in health and possessed of sufficient bodily vigor to do effective teaching.

It is not to be understood that the successful passing of the competitive examinations, oral and written, leads immediately and irrevocably to permanent tenure in the San Francisco School Department. The system under which these examinations are held *does* insure to every worthy candidate a fair and open chance to secure admission to the Department strictly upon merit. Once admitted, however, there is yet before her the test of two years' service as "*Probationary* teacher" before the much coveted prize of *life tenure* is finally won. To appoint a teacher for life who, however brilliant in the passing of an examination, has given no sufficient proof the possession of practical teaching ability and a strong personality would obviously be absurd. But if, upon the expiration of the probationary period of two years, the reports of the principals and all of the Deputy Superintendents under whom the probationer has taught are favorable as to her moral and educational qualifications, including, of course, her ability to enforce discipline, she is elected by the Board of Education, on the Superintendent's recommendation, as a regular member of the teaching force. Her tenure in her occupation is now for life, subject still, however, to the condition that her behavior and efficiency continue unimpaired, as also her willingness to observe properly the rules of the Department. She may at any time be dismissed as provided by law for insubordination, immoral or unprofessional conduct, intemperance and evident unfitness for teaching; but she must be given a fair and impartial trial after due notice of any charges made against her. Life tenure, with its accompanying feeling of independence and freedom from doubt as to the chances of the future, is a prize worth winning, but it will be seen from what has been stated as to the conditions attending the securing of admission to the department, and insuring permanency therein, that it is not lightly bestowed.

And it is right and proper that this should be so. The American citizen is ever willing to contribute to the maintenance of the public school system. He does so uncomplainingly and without hesitation or quibble, for to him the very mention of our schools possesses a talismanic power, for is not our public school

system the most sacred and jealously guarded of American institutions? The right-thinking citizen regards the taxes paid for the support of our schools as one of the very best of his investments. But he demands for his children the best that is to be had in the way of instruction and instructors, and he is fair enough to ask for such teachers who prove their worth the peace, contentment and permanency of position to which their merit entitles them. This is the true spirit of Civil Service reform. Our citizens realize, as we all should realize, that the effect of the teachers' spiritual contentment is reflected in the lives and the intellectual progress of the pupils.

RESULTS OBTAINED.

Judging by the large and splendid corps of teachers which has been selected during the past 16 years under our system, I can only say that the results obtained have fully justified it. Through its enforcement by an honest and loyal Board of Education, ready and willing to carry out all the provisions governing the examination and other tests, the efficiency of our teachers has been elevated to the highest possible standard. I say, most emphatically, that political pressure, social influence, personal intercession and the exercise of improper and unworthy considerations have been completely done away with in the selection of teachers under our Civil Service system—a system which gives the teachers selected under it dignity, independence and freedom from unnecessary worry by delivering them from the necessity of securing annual re-election. Those who are successful in the examination are relieved from anxiety and are free to devote their time and thought to their proper work. A teacher appointed under our system can truly call her soul her own. I fully believe that our Civil Service plan has resulted in the acquisition by this Department of the best available teaching talent in California; also that it at least approximates the ideal plan for the selection and appointment of thoroughly equipped and competent teachers. There is available, in this connection, the testimony of school officials of other and important cities of the State to the effect that the San Francisco plan, by its obvious fairness, as well as by is promise of immediate recognition of ability and corresponding reward therefor, has had the effect of drawing away a number of the best teachers of other departments. That the plan under which the examinations are conducted works well and effectively is proven by the statements of Normal School officials that those of their graduates who succeed at our competitive examinations are uniformly the same individuals who won deserved success during their course of Normal study. In short, it is merit, and merit only, which wins under the San Francisco system, and it was to insure that this should be so, that the system was organized, and that I have ever labored in season and out of season for its development and permanency.

CANDIDATES EXAMINED DURING THE LAST FIVE YEARS.

The number of candidates taking the examinations and number passing in the last five years was:

Date	Examined	Passed	Failed
June, 1912	117	58	59
June, 1913	140	60	80
June, 1914	190	91	99
June, 1915	167	61	106
June, 1916	242	177	65

The average age of the candidates who successfully passed the examinations referred to above did not exceed 24 years, no one being over 35.

SPECIFIC PROVISIONS.

That fuller knowledge may be had of the exact details of the examination system we publish the following Circular of Information issued for the Teachers' Competitive Examination of 1916:

Examination to be held Friday and Saturday, June 16th and 17th, 1916, at the High School of Commerce building, Fell and Franklin Streets.

Teachers are appointed to this department solely on merit as determined by competitive examinations of applicants who already hold regular teachers' certificates. The object of these examinations is to enable the Board of Education to select the best of those already certificated as teachers.

Requirements:

(1) Applicants must be well-educated, of good character and sound bodily health.

(2) Applicants are required:

(a) To have been graduated from a State Normal School; or

(b) To have been in attendance as regular students for two years in an institution of collegiate grade; or

(c) To have had two years' actual teaching experience subsequent to graduation from an institution of high school grade.

(3) Married women are not eligible for the competitive examinations unless their husbands are totally incapacitated through disease or infirmity.

(4) Applicants must not be over thirty-five years of age.

The written examinations are upon the following subjects:

(1) United States History, American Institutions and current events.

(2) Arithmetic.

(3) General Science.

(4) Personal and public hygiene.

(5) Methods of teaching and school management.

The examinations are not based upon any particular books. The following books, however, indicate the scope and range of the subjects covered by the examination:

United States History and American Institutions:

Epochs of American History Series, three volumes (Longman's).
Government in State and Nation, James & Sanford (Scribner's).
Government in the United States, Garner (American Book Co.).

Arithmetic:

Complete Arithmetic, Hamilton (American Book Co.).
Robinson's Arithmetic with Supplement of Fish's Problems.
Packard's Commercial Arithmetic.

General Science:

Rowell's General Science.
Clark's (American Book Co.).
Nature Studies by Hodge.

Personal and Public Hygiene:

The Human Mechanism, Hough & Sedgwick (Ginn & Co.).
Human Body and Health, Davison (American Book Co.).
Primer of Hygiene, Ritchie—Caldwell.
Primer of Sanitation, Ritchie.

No formal examination in English is given; the ability to write and speak correct, forceful English is determined from a consideration of the examinations in general.

Applicants must obtain at least seventy-five per cent (75%) in each subject. If, however, an applicant falls below seventy-five per cent (75%) but not below sixty-five per cent (65%) in one subject only, and the average in the other subjects is at least eighty-five per cent (85%), the applicant is considered to have passed the written examination successfully but is required to take an examination in that subject at the teachers' competitive examination given the following year.

Applicants who pass the written examinations appear before the Board of Education for an oral examination, designed to test their fitness and technical training for teaching, their general intelligence, their information upon matters of world importance and present-day interest known to all educated persons who keep abreast of the times.

Each of the five members of the Board of Education, without conferring with his fellow-members, marks the applicant, the average constituting the mark for the oral examination. Applicants must obtain an average of at least seventy-five per cent (75%) in the oral examinations. Applicants receiving less than seventy-five per cent (75%) from three of the members of the Board are rejected regardless of the marks obtained in the written examination and of the average in the oral. The average of the marks in the written examination, plus the average in the oral, determines the applicant's rank.

Applicants passing the next competitive examination, to be held in June of this year, will be divided into Classes A and B; Class A will consist of those who have been graduated from State Normal Schools or from the pedagogic departments of recognized colleges and who after such graduation have had at least two years of successful experience. Of this class the first fifty (50) will be assured appointment to vacancies or to new positions in the elementary schools on the opening day of the school year 1916-1917 and their salary will be the usual amount paid probationary teachers, Seventy Dollars ($70.00) per month, plus allowance for experience in teaching. All the other applicants passing the competitive examination successfully will constitute Class B. Class B will be the eligible list of substitutes and such eligible substitutes, as heretofore, will be appointed to vacancies and to new positions in the elementary schools in the order of their rank as they may be needed.

The competitive examinations are held during the summer vacation about June 10th. The next examinations will be held Friday and Saturday, June 16th and 17th, 1916. When necessary, a second examination for the year is set for the Christmas vacation. Application blanks will be furnished all those asking for them, during the two months preceding the dates set for an examination. They should be filled out and forwarded to the Secretary of the Board of Education not later than one week prior to the examination. Applicants must furnish full information relative to their academic preparation, their professional training, and their experience in teaching. Applicants must give references to at least three persons competent to speak of their fitness for teaching. Such references must include the persons whose official position enables them to give the most exact information regarding the applicant's scholarship, training, experience and efficiency. The Board of Education will not consider general letters of recommendation but will request from the persons referred to by the applicant confidential statements regarding the applicant's qualifications. In case of doubt the Board will call for and use supplementary information from other persons who may be deemed competent to speak intelligently of the candidate's qualifications.

Before appointment to the eligible list the successful applicant must obtain from one of several physicians designated by the Board of Education a statement certifying that the applicant is in sound physical and mental health. The expense of the medical examination is borne by the applicant. The fee is $2.50.

Before election as regular teachers in the department applicants must serve at least two years after assignment as probationary teachers. They will be assigned for one year and if reported as successful will be re-elected for a second

year. At the close of the second year if still deemed successful they will be elected regular teachers and will hold teaching positions for life, provided they comply at all times with the rules of the Board of Education, the laws of the State of California and the Charter of the City and County of San Francisco so far as they relate to the school department.

Announcement of dates is made in San Francisco's official daily newspaper (Daily Journal of Commerce) and in the Western Journal of Education, as well as in some of the leading newspapers of the State.

A number system is used by which the identity of the examination papers of the candidate is lost.

At each of the sessions the envelope and sheets containing the answers of each candidate are stamped with the same number. This number stamping does not begin, however, until all the examination papers of each session have been turned in by the candidates. The envelope and the set of answers of each candidate have a different number from those of every other candidate. In order to avoid confusion the same number is never used twice. The sets of envelopes, after having been numbered, are all placed in a box which is sealed and deposited in the safe of the Board of Education. After the answers have been examined and marked the seal is broken from the box containing the numbered envelopes. This is done in the presence of representatives of the Board of Education and of the Superintendent's office. The envelopes are opened and the identity of the candidate is then disclosed for the first time.

The written examinations will be held in the High School of Commerce, corner Fell and Franklin Sts., on Friday and Saturday, June 16th and 17th, beginning at nine o'clock a. m. sharp. Applicants will therefore present themselves promptly at 8:45 a. m.

The oral examination is held in the offices of the Board of Education and continues in morning and afternoon sessions until all applicants successful in the written examination have been examined. Each candidate receives notification when to appear.

The following lists used during various years will give some idea of the general character of the questions:

QUESTIONS GIVEN IN 1902.

1. Interest. How would you rouse it? Is it all sufficient for accomplishing results?

2. State and describe three essential features of the class recitation.

3. State some IMPORTANT defects of a strictly graded system of classes and give one GOOD remedy for each defect mentioned.

4. Since about 70 per cent of the pupils attending the public schools, on an average, are in the primary grades, which three subjects of instruction do you regard as the most important in training the great mass of our pupils who never enter the grammar school? Give your reasons.

5. Do you think the State School Law which forbids teachers to assign any home-work to pupils under fifteen years of age is a wise provision, and give your reasons for or against this law?

6. What would you do to advance a very diffident or backward child?

7. Discuss the Use and Abuse of Text Books.

8. Discuss discipline, its necessity, aim or aims.

9. Discuss helps to memory.

10. Point out specifically some of the uses and common abuses of the memory in geography teaching, making your explanation show your knowledge of the psychology involved.

11. Explain what is meant by visual, auditory and motor types of thinking, and illustrate by reference to corresponding types of spellers.

12. Why is it that pupils who write neatly in their copy books frequently do much inferior work in original composition? Explain the psychological causes.

QUESTIONS GIVEN IN 1903.

1. What is the ultimate end of education? State specifically some of the things education should do for the individual. For society.

2. Considering the limited time at your disposal for the instruction of a large class, what methods would enable you to give maximum attention to the special needs of individuals or groups of individuals that are particularly backward or brilliant?

3. How far can you teach parts of one school subject when you are definitely teaching another subject; for example, how far can you correlate geography with history? Should the attention of the child upon the history material be intensified or lessened by such introduction of geography? Point out some dangers in attempting to correlate subjects.

4. What constitutes an ideal teacher?

5. Discuss the intellectual features particularly active in children and educational significance.

6. Give a description of a model lesson in arithmetic in a primary grade.

7. Discuss the development of the imagination in primary grades—its importance—means to secure it.

8. Discuss maintenance of strict discipline. How it may be tempered and how far relaxation from it may be allowed for the sake of promoting interest, emulation, and fellowship between teacher and pupils?

9. How can you make history teaching contribute directly to training for good citizenship? How far would you require children to learn facts of history, such as dates and names? What importance in history teaching would you give to the ideas and sentiments which have been the causes and results of historical events? What feelings should good history teaching awaken in the pupil?

10. Briefly outline the most approved general methods in use for teaching first grade pupils to read, and show by your explanation your comprehension of the mental process involved.

11. State three advantages and three disadvantages of department teaching in grammar grades.

12. Describe briefly any approved general method of teaching:

(a) Rapid and accurate addition.

(b) Geography.

Justify your methods by psychological reasons.

QUESTIONS FOR 1904.

1. Write a model lesson in geography and tell how you would make use of the following in teaching the same: 1, attention; 2, interest; 3, association; 4, memory; 5, imagination.

2. What standards or principles should guide a teacher in advancing or detaining a child at promotion time? Should all subjects have equal weight? If not, suggest some subjects that should have more weight than others. Give reasons in full for your answers.

3. Describe a remedy for each of the following cases: (a) Poor spellers; (b) faulty grammarians; (c) careless calculators; (d) thoughtless memorizing; (e) poor readers.

4. Why is it important to give special attention to ventilation of the schoolroom? Discuss fully the psychological processes involved.

5. What are your standards of good work in composition? Suggest the most effective way or methods of correcting composition in class. In your suggestion explain the defects as well as the merits of your method.

6. Discuss the method best calculated to secure the friendship and co-operation of a class.

7. How would you make use of the school or public library to the best advantage?

8. In teaching literature what would be your chief aims? What are the defects in the present methods? Would you use the sentences in literature as drills in grammar? Give reasons for answers.

9. How would you make the recitation of each pupil an intellectual activity for every member of the class?

10. Outline an inductive lesson in English grammar.

QUESTIONS FOR 1905.

1. By the history lesson, how may patriotism be best inculcated?

2. (a) What studies taught in school are especially adapted to the cultivation of the perceptive faculties? (b) Give some illustrations.

3. Tell how you would teach a class to add columns of figures with accuracy and rapidity and justify your method by psychological reasons.

4. How would you direct and encourage home reading? Name ten books suitable for Sixth and Seventh grades.

5. Discuss the Art of Questioning with definite suggestions.

6. How would you teach the ready and correct use of the English language to the First, Second, and Third grades of the primary school?

7. How do you teach "pointing off" in division of decimals? Illustrate with examples showing various difficulties that perplex children.

8. Explain the method to be pursued in teaching writing during the first two years of a child's school life.

9. If you had a pupil with a remarkable gift of memory who succeeds but poorly in original work, such as composition and arithmetic, how would you work to correct the deficiency?

10. What devices would you employ to keep up a good standard attendance in your class?

QUESTIONS FOR 1907.

1. What are the purposes of school discipline?

What different ways of disciplining children has the teacher at command?

Suggest how you would vary the use of these means: With incorrigible children as opposed to sensitive children. With boys as opposed to girls.

2. Suggest the various ways by which the teacher may rest a child from mental fatigue resulting from classroom instruction. Discuss the special merits of each way suggested.

3. When you find a pupil of normal mind who does not know how to study, how would you proceed to remedy the condition? Suggest as many detailed ways as you can of giving him desire and power to study by himself.

4. What are the different ways by which you can convey the meaning of an unfamiliar word, phrase, or sentence to a child? Discuss the relative value of each way.

5. What are the different elements which must be associated in the child's mind in order to make him a good speller? Suggest several ways of presenting and associating these elements.

6. What are the main advantages to be derived from nature study? How would you use the school garden and the school excursion in connection with this subject?

7. What are the objects to be kept in view in the teaching of history in the elementary schools? What are the most interesting and valuable kinds of historical facts to be learned in the primary grades? In the grammar grades?

8. In leading a child from home geography to world geography, how would you proceed?

9. State briefly in detail what means you would use in the primary grades to make your pupils speak and write good English.

10. In teaching arithmetic when would you let the child do the work mentally? When have him write it out in full? When mix both methods?

1. There is a growing tendency to abolish corporal punishment as a means of correcting the faults of pupils:

(a) If you had charge of a school in which corporal punishment was not permitted state briefly how you would maintain order in the case of pupils disposed to be unruly.

(b) If you were allowed to inflict corporal punishment at your discretion, in exceptional cases, state some circumstances under which it might, in your opinion, be resorted to as a just and effective mode of correction.

(c) When a teacher decides that a pupil should be punished for wrong doing, what objects should he (the teacher) have in view; that is, what worthy ends would he expect to reach through the infliction of the punishment?

2. What would you do with a pupil who, from absence or other cause, has fallen behind the class?

3. What rules of order would you insist upon to be observed by pupils in passing from the building during fire drill?

4. (a) Tell how you would teach reading to beginners.

(b) Name the important qualities of good reading.

(c) What are the commonest faults which you have found in the reading of children? How would you correct these faults?

5. Our new Course of Study requires an exercise in rapid addition:

Make out a column of figures suited for this exercise, and say how you would best secure speed and accuracy in performing it.

6. (a) What is the main benefit to be derived from the study of general History? Of Geography?

(b) How would you use Geography in connection with History?

7. (a) Describe a good method of teaching the geographical idea of day and night.

(b) What conditions give a country large foreign commerce? Domestic commerce?

8. (a) In what school year would you introduce the regular study of fractions?

(b) With what other rules of Arithmetic would you correlate percentage?

9. Suppose you had charge of an elementary class consisting of pupils of two consecutive grades; make out a program of daily exercises therefor in regular form, showing the grades and divisions taught, the simultaneous work in each, the hour and duration of each subject, and the time for reviews, oral or written.

10. A great many pupils find it extremely difficult to concentrate their attention on the instruction and explanations of the teacher, or to record mentally the most important points set forth in their reading matter. In the case of normal children, what, in your opinion, is the chief cause of this defect, and how would you remedy it?

QUESTIONS IN ARITHMETIC.

1. (a) A pupil writes 425 words in 5 minutes, 3 seconds. At next lesson she writes 521 words in 4 minutes, 5 seconds. At next lesson she writes 593 words in 4 minutes, 17 seconds. At what average rate of speed per minute does she write?

(b) Hale & Co., Stockton, bought of Lamont & Co., San Francisco, 3 doz. plain gold rings at $20.00 per dozen; 4 gold rings, diamond settings, at $50.00

each; 6 gold watches at $15.00 each; 5 sets teaspoons at $6.00 each. Make out the bill allowing a discount of 25%.

2 (a) A commission merchant received $50.00 from a country customer with orders to send him ribbon, worth 6¼c per yard, and to pay himself for his trouble. The merchant charged 2¼%. How many yards of ribbon did the merchant send to his customer?

(b) A ship worth $75,000.00 was insured for three-fifths of its value at 1⅞%. The cargo, valued at $7,500.00, was insured for four-fifths of its value at 2½%. Find amount of premiums.

3 (a) If it cost $312 to fence a piece of land 216 rods long and 24 rods wide, what will it cost to fence a square piece of equal area with the same kind of fence?

(b) Find the interest on $125.50 from January 1st, 1898, to July 7th, 1899, at 7% per annum.

4 (a) What will it cost to dig a cellar 60'x30'x9' at 33 1-3 cents per cubic yard?

(b) A room is 15 feet square and the walls are 9 feet high. What will it cost to paint the four walls at 25 cents per square yard, making no allowance for doors or windows?

5 (a) If four men build 12¼ rods of fence in 3¼ days, how long will it take 18 men to build 237 6-13 rods?

(b) Four persons engage in manufacturing, and invest together $22,500.00. At the end of a certain time A's share of the gain is $2,000.00, B's share $2,800.75, C's share $1,685.25, and D's share $1,014.00. How much capital did each put in?

GRAMMAR.

1. "*In the bosom* of one of those spacious coves which indent the eastern shore of the Hudson, *at that broad expansion* of the river denominated by the ancient Dutch navigators the Tappan Zee, and *where they always prudently shortened sail* and implored the protection of St. Nicholas when they crossed, there lies a small market town or rural port, which by some in called Greensburgh, but *which is more generally and properly known* by the name of Tarry Town.

(a) Draw one line under the *entire* subject, and two lines under the *entire* predicate.

(b) Parse the underlined phrases and clauses in above.

2. "The sun that brief December day
Rose cheerless over hills of gray,
And, darkly circled, gave at noon
A sadder light than waning moon."
Diagram or analyze the above.

3. What is a synopsis?
What is meant by voice?
What is declension?
Give the principal parts of lay, set, go, give and lie (to recline).
Singing birds are silent at this season.
The bird's singing under the window awakened us.
What is the use of "singing" in each of the above sentences?

4. "In the Old Colony days, in Plymouth, the land of the Pilgrim,
To and *fro* in a room of his simple and primitive dwelling,
Clad in doublet and hose, and boots of Cordovan leather,
Strode with a martial air, Miles Standish, the Puritan Captain,
Buried in *thought* he seemed, with his hands *behind* him, and *pausing*
Ever and anon *to behold* his glittering weapons of warfare,
Hanging in shining array along the walls of the chamber."
In the above selection, tell the part of speech of each underlined word.

5. (a) Give sentences illustrating the following uses of clauses. (Underline each clause.)
   1. Adverbial,
   2. Adjective,
   3. As object,
   4. As subject.

   Give an example of an infinitive used as subject.

(b) Give an example of a compound and a complex sentence, and explain the difference between them.

METHODS OF TEACHING.

1. (a) Which study do you consider the most valuable in the ordinary school curriculum, and give several reasons for your choice.

(b) 1. Upon what is the science of teaching based?
   2. What should be the great object of teaching?
   3. What are the characteristics of any good method of teaching?

2. (a) What method would you adopt to prevent tardiness; and to secure regular attendance in school?

(b) What is to be accomplished in teaching English Grammar?

3. (a) What special training is given by Literature, by History?

   (b) By Mathematics, by Science?

4. (a) For what definite purpose and to what extent would you use analysis or the diagram?

   (b) In teaching composition, in any grade above the fourth, state your method as to choosing subject, writing the composition, or correcting it. Name the grade or class you have in mind.

5. (a) Distinguish between principle, method, device.
   Which may change?

   (b) 1. When is a schoolroom in good order?
   2. What incentive will you put before children for study?

QUESTIONS IN 1910.

1. (a) The longitude of Portland, Maine, is 70 degrees 15 minutes, and that of Chicago is 87 degrees 38 minutes. What is the difference in time between the two places?

(b) How many square inches of tin are there in a dozen tin pails of cylindrical shape, the diameter of each being 8 inches and the height 10 inches? (No top.)

2. (a) A rectangular field having an area of 135 1/5 acres is 3 1/5 times as long as it is wide. Find the length of its diagonal.

(b) If 9 bricklayers can lay a wall 80 ft. long, 20 ft. high, 1½ ft. thick, in 15 days of 9 hours each, in how many days of 10 hours each can 12 bricklayers lay a wall 100 ft. long, 25 ft. high and 2 ft. thick?

3. (a) On $860.56, $149.63 interest was paid for 2 years, 8 months, 3 days. What was the rate?

(b) An agent received $10,200 with which to purchase wheat at $1.25 per cental at a commission of 2%. How many centals did he buy?

4. (a) The distance from San Francisco to San Jose is 50.6 miles. An automobile party leaves San Francisco at 10:35 A. M. and arrives at San Jose at 1:20 P. M. What was the average speed on the trip?

(b) A man owns 3/5 of a ship that is worth $85,000. If the ship is insured for 57½% of its value, how much money would this man receive if the ship were a total loss, and how much would he lose?

5. (a) Subtract 5⅜ from 9.65 and divide the difference by (3⅞—2.65).

What number is that from which if we deduct 3/7 of itself and 2/9 of the remainder, 28 will be left?

(b) A shed is 15 ft. long and 10 ft. wide. It is 12 ft. high in front and 7 ft. high in the back. How much lumber (one inch boards) should be ordered to cover the four sides, adding 10% for waste.

How many full bundles of shingles should be ordered for the roof, if there are 250 shingles in a bundle, and they are laid so that one thousand cover an area 80 square feet?

GRAMMAR.

1. Part of speech of the underlined words, and why?

(a) (b) He is *as* honest *as* he looks.
(c) He came *as* he had promised.
(d) There is little hope, *but* I shall try.
(e) *There* is no lad *but* honors his mother.
(f) The game is not *worth* the candle.
(g) This is the book *that* I prefer.
(h) Not *that* I love Caesar less.
(i) *The* longer we live, the more we learn.

2. Name the principal and subordinate clauses, and tell how subordinate clauses are used:

The drawbridge dropped with a surly clang,
And through the dark arch a charger sprang,
Bearing Sir Launfal, the maiden knight,
In his gilded mail, that flamed so bright
It seemed the dark castle had gathered all
Those shafts the fierce sun had shot over its wall
In his siege of three hundred summers long,
And, binding them all in one blazing sheaf,

3. In the above selection tell what each participial and prepositional phrase modifies.

4. Give the case of nouns and pronouns and why, and parse all finite verbs in the following selection:

The investigations and prosecutions initiated by Secretary Hitchcock and carried on by his successor, Secretary Garfield, demonstrated conclusively that land thieves have been for some time getting possession of the public domain, and that they have had sometimes the direct, sometimes the indirect, aid of public officials in and out of Congress.

5. Are the following correct? Give your reasons:

(a) I saw him many times this year.
(b) One of his best friends were accused of the crime.
(c) It looks like it would rain to-day.

METHODS OF TEACHING—SCHOOL MANAGEMENT—HYGIENE.

(Write not more than one page on each lettered division of a question.)

11. (a) Discuss the importance of the personal life and character of the teacher in relation to her profession. Illustrate.

(b) How much time should a teacher spend daily out of school hours in preparation of her work, and how should that time be spent?

12 (a) How would you handle the "topical method" in History, in study and recitation, and what are its advantages over the "question and answer method"?

(b) How may the judgment be trained in History study?

13. (a) What are the causes of impure air in a schoolroom, and what are its effects on the children? How can a room be ventilated by doors and windows without subjecting some to cold air?

(b) Name two books on "Methods," or History of Education, you have read. Give a brief summary of the contents of one of these.

14. (a) Name the most important factors in moral training. Illustrate by suggesting how the different school subjects might contribute.

(b) How do you teach division and pointing off of decimals? How would you secure accuracy in number combinations?

15. (a) How would you give individual aid to backward pupils in a class of 40 to 50 pupils?

(b) How do you estimate a pupil's fitness for promotion?

QUESTIONS IN 1911.

ARITHMETIC.

1. (a) The people of a school district wish to build a new school house which will cost $2,850. The taxable property of the district is valued at $190,000. What will be the rate of taxation?

1. (b) A man had three lots, each containing 6¼ acres, which he re-divided into building lots of ⅝ of an acre each. How many building lots did he have?

2. (a) How many square inches are there in the surface of a cube whose solid contents are 2,744 cubic inches.

2. (b) If 120 bushels of oats last 15 horses 56 days, in how many days will 6 horses consume 90 bushels? (No analysis. To be answered by proportion.)

3. (b) A grocer bought 7 gallons of wine, and lost two gallons by leakage. He sold the remainder for $8.05 a gallon, making 25% on the whole. What was the cost per gallon?

4. (a) Mary bought a piece of silk for $63.50; she found, on measuring the silk, that she had only $61.25 in value. How many inches to a yard were given her?

4. (b) For what sum must a three months note be drawn so that, when discounted at a bank at 6%, the proceeds will pay for 75 barrels of flour at $8.50 per bbl.?

5. (a) Find the difference between the simple and compound interest, computed annually, of $1,200, for three years, three months, at 8%.

5. (b) Berlin is 13° 23′ 53″ east longitude, and San Francisco is 122° 26′ 12″ west longitude. When it is 12 M at San Francisco, what time is it at Berlin?

GRAMMAR.

6. Correct, where necessary, giving reasons:
   - (a) "It is them."
   - (b) "Who will the book be read by?"
   - (c) "Than who none higher sat."
   - (d) "Every man, woman and child lifted their voice in anger."
   - (e) "I do not like those kind of people."

7. Choose the better tense, with reasons:
   - (a) "It had happened before I saw him," or
     "It had happened before I had seen him."
   - (b) "I should have liked to have done it," or
     "I should like to have done it."
   - (c) "We have met on a great battlefield," or
     "We are met on a great battlefield."

8. Give the principal parts of:

Awake, begin, blow, break, do, sing, swim, drink, steal, write, teach, catch, forget, take, fall.

9. Distinguish the adverbs and the adjectives in the following sentences:

He was sick nigh unto death.
The tumult shows the battle night.
How ill this taper burns.
All left the world much as they found it.
Much learning doth make thee mad.

10. Tell the part of speech each italic type word is, and give reason for your classification:

Heaven still guards the *right*.
Be sure you are *right* and then go ahead.
He will *right* the wrongs of the innocent.
And that my soul knoweth *right* well.
He is an *American* and glories in the right of an *American* citizen.
His years *but* young, *but* his experience old.
Quick! *man* the lifeboat.
Man wants but *little* here below.
Nor wants that *little* long.

METHODS OF TEACHING.

(Answer to each question to be limited to one page.)

11. (a) How best may the problem of retardation be met by the class teacher?

11. (b) When, if ever, is corporal punishment justifiable? What are the special dangers in its use?

12. (a) State three ways in which interest may be aroused and facility be developed in the writing of compositions.

12. (b) State the educational justification of the school garden?

13. (a) Discuss the relationship between the personal character of the teacher and its effect upon the moral development of the child.

13. (b) Name five essential qualities for a good teacher to possess.

14. (a) What qualities should characterize the work of a "good disciplinarian"?

14. (b) How would you deal with a restless class of fourth grade children placed indefinitely in your charge?

15. (a) Do you favor the holding of examinations at regular intervals in the grades? State your reasons for or against.

QUESTIONS FOR 1912.

AMERICAN HISTORY AND INSTITUTIONS.

1. What parts of American History should be taught, and during what years, to children before the Seventh Grade?

2. What purposes would you have in mind in teaching the "Revolution Period" to a Seventh Grade class? and how would you use the material?

3. Name 10 characters in American history a study of whose lives and public services would give a fairly connected view of the Nation since 1750.

4. Give your reasons for and against teaching Grammar Grade pupils both sides of the Civil War struggle, fairly.

5. Among "current" happenings since June, 1911, in political, industrial, religious and cultural interests, what do you consider suitable for instruction in the Grammar Grades?

6. Had the Panama Canal been built by private enterprise, would it have been a fact of "history" as much as when built by the Government? Why?

Answer the first, third and fifth questions, and two of the other three.

SCHOOL METHODS AND MANAGEMENT.

(Answer two out of the first four, and five others.)

1. (a) It is often urged that we should teach reading, history, geography and civics in close relation, making each serve the purpose of all. Is this a good plan or should we keep the subjects of the curriculum separate? Explain.

(b) Is it better to teach geography by topics or by countries? Give reasons for your answer.

2. Which is better; to keep the class upon a topic (e. g. alcohol, the Revolutionary War, interest, etc.) until they have mastered it, or to return to the topic at different times and from different points of view? Explain.

3. In the teaching of U. S. History what would be the relative emphasis placed on (1) industrial development, and (2) political and military events? Why?

4. (a) Mention some general principles which ought to govern the selection of topics for nature study.

(b) With what subjects is nature study readily correlated?

5. (a) What should be done with the dull pupil who is over-age for his grade but has not done his year's work satisfactorily?

(b) State some important facts and list some important questions relating to the general problem of retardation.

6. Name as many recent books as you can bearing on the pedagogy of the following subjects: reading, writing, spelling, nature study, arithmetic.

7. (a) State as specifically as possible what you would do to improve the spelling of children who continually miss even the simplest words.

(b) In the teaching of spelling what objection or objections could be raised to the use of such words as the following taken from the State Series Speller? Fillet, timorous, frieze, fuchsia, epaulet, aconite, lapidary.

8. (a) What is the proper temperature for a classroom?

(b) What special considerations should govern the seating of pupils in the classroom?

(c) What are some specific effects of Open Air schools upon pupils?

(d) Will you require home study? If any, how much and in what studies?

9. (a) What is the best method of preventing disorder?

(b) To what extent, if at all, would you permit one pupil to help another with his lessons?

(c) Is it better to punish rarely and severely, or to punish less severely but to exercise great care in calling to account for every offense? Explain briefly.

10. Define or explain each of the following terms: experimental pedagogy, adolescence, school clinic, vocational guidance, Blinet mental tests, social center activities, ungraded class, Batavia teacher, inductive method.

ARITHMETIC—FIRST 6 YEARS.

1. Write out in full all the possible combinations of change one can make for a quarter of a dollar. With what age of children could such problem be used?

2. What common fractional forms (specify) can be taught to children profitably, during the first 3 years? Why should these be taught? Why not others?

3. A newsboy buys nickle papers, three for a dime; how many papers must he sell to clear $1.00? What preparatory teaching would you want to do before giving this problem to a class of Fourth Graders?

4. How early can demical fractions be taught profitably? Is the notion, one tenth, more difficult than one-fifth? Why?

5. In "reduction of fractions" you accustom the pupil to see the given fraction in two or more forms having the same value: as 1-2=2-4=5-10=7-14, etc. What use do you make of this principle in working with integers, as in addition or subtraction?

Answer all five questions.

ARITHMETIC.

(Write legibly. Answer ten.)

1. A man bought a lot for $1,500 and built a house on it costing $3,000. He rented his property for $300 a year. Taxes, repairs and insurance cost him $74.00 a year. What per cent does he make on his investment?

2. There are 48 pupils and a teacher in a room 36 ft. long, 30 ft. wide and 14 ft. high. If fresh air is introduced at the rate of 30 cu. ft. per person per minute how often is the air of the entire room renewed?

3. If a city raises $13,093.75 from a ¼% tax, what is the assessed valuation of the property in the city?

4. The diameter of a circular tank is 8 feet. How high must it be to contain 15,000 gallons.

5. (a) $48.225 \div 15 = ?$

(b) $\frac{.124}{132} = ?$

6. The sum of two numbers is 10, and the sum of their squares is 52. Find the numbers by algebra.

7. What arithmetical knowledge should children entering the seventh grade possess? Answer fully.

8. In seventh and eighth grade arithmetic which is better; to teach the short cuts and abbreviated forms of solution used by accountants and business men, or to require the pupil to make a detailed analysis of his solution by formally setting forth each step in the process? Give reason.

9. If a pupil in the seventh grade is excellent in all his studies save arithmetic, but fails in that branch, should he be promoted? Give reason for your answer.

10. What are some of the newer trends in the teaching of seventh and eighth grade arithmetic as regards:

(a) The subject matter covered.

(b) The nature of the problems used in the teaching of a given topic.

11. Does the reasoning ability which is gained through the study of arithmetic enable the pupil to reason better in matters pertaining to history, geography, etc? Defend your answer.

QUESTIONS FOR 1913.

GENERAL SCIENCE AND PUBLIC AND PERSONAL HYGIENE.

1. In what respects, and for what reasons, do the problems of school hygiene and school sanitation differ from those of the home, the church, or the shop?

2. In what ways can the school assist in the fight against tuberculosis and other communicable diseases?

3. What are the arguments for open-air school and open-air sleeping rooms?

4. What wholesome habits of personal hygiene may the schools hope to fix, for children under 12 years of age? For Grammar Grade children?

Answer questions 1 and 4, and either 2 or 3.

5. What are the several purposes of nature study during the first four or five years of schooling? During the later elementary grades?

6. What is meant by the "Science of Common Things"? Name three groups of such studies, and submit an outline of one of them, for a selected grade.

7. What "heat" studies would be appropriate for a Fifth Grade? An Eighth?

8. What "laboratory" or "field" work have you done in any of the sciences?

Answer 5 and 8, and either 6 or 7.

METHODS AND SCHOOL MANAGEMENT.

1. What are the factors involved in deciding upon fitness for promotion? And what is the relative importance of each of these factors?

2. As a room (or class) teacher, what is your responsibility toward pupils of the following groups?

(a) Backward children.
(b) Children of defective hearing.
(c) Children of defective vision.
(d) Morally delinquent children.
(e) Subnormal children.

3. Explain what is meant by "school incentives"; natural and artificial incentives. Name some incentives that are objectionable; why? Some worthy incentives; why?

4. What factors are involved in the arrangement of a daily program? Construct a provisional program for your grade. Explain its provisions.

5. What wholesome function can a parents' association serve for your school? Make a list of possible services.

6. Characterize an effective recitation for your grade, in some one subject.

7. What do you expect from children below the Fifth Grade in "preparing a lesson"? In the Grammar Grades? (Take some selected subject.)

8. Name and explain the uses of supplementary reading and references, below the Fifth Grade; in the Grammar Grades.

9. Discuss the statement: "The arousing of the pupil's interest is both a means and an end in his education."

10. Show how hand-work may be used to re-enforce the academic or book-work, in some one selected subject, in a given grade.

Answer the 2, 3, 6 and 8 and any other two of the remaining six questions.

UNITED STATES HISTORY, AMERICAN INSTITUTIONS AND CURRENT EVENTS.

(Answer ten of the eleven questions. Avoid making your answers unnecessarily long.)

1. The Conservation of Natural Resources.
   (a) State what is included in this term.
   (b) What problems connected with it have commanded special attention and interest in recent years?
   (c) Mention some names prominently associated with the conservation movement.

2. (a) What are some of the main features of the tariff bill now before congress?
   (b) Explain what a tariff commission is and why one would (or would not) be desirable.

3. With what accomplishments are the names of the following men connected: S. F. B. Morse, James B. Eads, Cyrus McCormick, Elias Howe, Henry Clay, Commodore Perry, Alexander Hamilton, William Howard Taft, Robert M. La Follette?

4. Mention as many instances as you can in which controversy has arisen over the question of state's rights. Give specific facts.

5. Outline some of the important considerations relating to the content and methods of teaching civics:
   (a) In the first five or six grades;
   (b) In the last two or three grades.

6. International peace.
   (a) Give definite facts showing its desirability.
   (b) What are some of the obstacles in its way?
   (c) What part should the school play (if any) in regard to this issue?

7. Explain why California is interested in the Panama Canal. In what ways will it probably affect California industries?

8. The Monroe Doctrine.
   (a) What is it and what was its origin?
   (b) Give instances in which it has influenced the action of the United States.
   (c) What is the general attitude of European countries toward the doctrine?

9. What were some of the leading after-effects of the civil war on the South?

10. (a) How is an amendment to the Constitution of the United States brought about? (b) Give as many as you can of the amendments that have been made.

11. What change is being effected in the election of United States senators, and what considerations have led to this change?

ARITHMETIC.

(Answer seven of the first eight and three of the last four.)

1. If a baker's loaf weighs 9 ounces when wheat is worth 90 cents, what should it weigh when wheat is worth $1.50?

2. What will it cost to carpet a room 27 feet long and 13 feet 6 inches wide with carpet 27 inches wide costing $1.87½ a yard—allowing ½ a yard on each strip for matching?

3. In digging a well 5 feet in diameter and 24 feet deep how many cubic yards of earth must be removed?

4. A man who has $7850 out on interest at 6½ per cent (with reliable security) calls in the money and invests it in a manufacturing enterprise. At the end of eleven months he sells his interest in this for $8000 cash. No dividend having been declared and no assessment having been made during the eleven months, to what extent did the man gain or lose by the manufacturing venture?

5. Reduce the following ahe decimals, carrying four places if necessary: (a) 25/36, (b) 15/16, (c) 3.4½, (d) .85 7/11.

6. Make out a bill for the following and receipt the bill:

2 packages of white drawing paper at $1.85.
5 gal. of black ink $4.60.
3 packages of legal-cap paper at $2.00
2 gross lead pencils at 30c per dozen
1 box assorted rubber bands at $2.75.

7. How much less is the distance along a diagonal path across a rectangular field 40 by 80 rods than the distance around two sides of the field?

8. Two logs are "similar solids" but of different size. One of them is 2 feet in diameter at the larger end and contains 1000 board feet. The other log, which is 3 feet in diameter at the larger end, contains how many board feet?

9. What are the Courtiss Standard Tests in Arithmetic and for what purposes are they intended?

10. What factors determine the value of any subject in arithmetic?

11. State, with reasons, your opinion on the following questions:

(a) Keeping a pupil in and having him write the multiplication table one or more times.

(b) Letting children count on their fingers or by the use of objects.

(c) Teaching all possible combinations of numbers below 10 before letting the child deal with larger numbers.

12. (a) Explain the purpose and value of drills in mental arithmetic. (b) About what proportion of the time would you give to mental aritmetic in the fourth, fifth and sixth grades?

QUESTIONS FOR 1914.

GENERAL SCIENCE.

1. What may profitably be included in "Science" studies in the first five grades? In the sixth, seventh, and eighth grades? What are the purpose to be kept in mind in each group?

2. Work out an outline for a series of lessons on "Moisture", for your grade—its constituents, forms, relation to life, relation to industry, relation to landscape beauty.

3. Characterize the respective fields of (1) object lessons, (2) nature study, (3) geography, and (4) systematic science, in the upper grades. In matter, and method of teaching, how are they similar? How different?

4. Describe the work of school gardening for your grade, and the science lessons to accompany it. How would how manage this work in the general program of school exercises? and what educational purposes should it serve?

Answer the first and third questions, and either of the others.

HISTORY AND CIVICS.

1. Tell the story, in 300 or 400 words, of the migration of the peoples across the Alleghenies and into the Mississippi Valley; when, by what routes, why, and a few of the principal frontier settlements—all before 1850.

2. Recount important social, economic, and cultural movements, north, south and west, 1860 to 1900, and trace their relations to the Civil War results.

3. Name the three or four great national political movements in the United States in the last 25 years, and tell why they are significant.

4. If but three civic (citizenship) questions were to be worked upon by your grade for a half year, what ones would you select? How could you treat one of them for your children?

Answer the first and fourth, and either one of the others.

ARITHMETIC.

(Answer 10.)

1. The diagonal of one face of a cube is 162 inches. Find the volume of the cube, and its surface.

2. A tinsmith wishes to make a pattern for the bottom of a pail, the area of the bottom being 164 square inches. If he must allow, in addition, ¼ inch all around for soldering what radius should he use in drawing the circle for the pattern?

3. A certain creamery uses 6400 pounds of milk a week. The skim milk amounts to 80% of the whole and tests 3/5% butter fat. How many pounds of butter fat are lost in the skim in a year?

4. A certain State, whose valuation is $1,800,000,000, has an annual tax of $0.07 on the $100 for the support of its three state colleges. This revenue is divided among the three schools in the proportion of 2, 2 and 1. What income does this provide for each school?

5. Which gives the better rate of income: a 6% bond at 120, or a 5% promissory note, ignoring the brokerage? Explain.

6. (a) $48{,}255 \div 15 = ?$

(b) $120.12 \div 1.9 = ?$

(c) $\dfrac{.124}{132} = ?$

(d) ⅛ of .69 5/11 = ?

7. How long will it take 12 men working full time to do a piece of work which 8 men can do in 54 working days working ¾ time?

A ship at 69 degrees, 4 minutes and 40 seconds W. receives a wireless telegram from a ship at 60 degrees, 12 minutes and 15 seconds W. at 10 a. m. When was it sent?

9. A crew can row nine miles an hour down stream and 6 miles an hour up steam. How far can they row down stream and return in 8 hours. (Solve by algebra.)

10. (a) Approximately how many minutes per week should be devoted to arithmetic in each of the following grades: first, fourth, sixth, eighth?

(b) What fraction of your allotment of time for each of the above grades would you give to mental arithmetic?

11. (a) Give illustrations to show how you would introduce children to the subject of denominate numbers.

(b) Do the same for the subject of common fractions.

METHODS AND SCHOOL MANAGEMENT.

(Answer five in all, not omitting numbers 3, 5 or 6).

1. Discuss tardiness and irregularity of attendance from the point of view of school management.

2. What criteria should rule in the selection of material for class use in the teaching of reading?

3. Give the name of an author who has made an important contribution to the pedagogy of reading. Do the same for writing, spelling, arithmetic and nature study.

4. Discuss the following: "The chief trouble with modern teaching is, that it seeks to get at formal results without regard to the sort of experience the pupil has in reaching the same."

5. What is the value of the recess period?

6. Would you require home work of your pupils? If so, in what grades, in what subjects, and to what extent? (Indicate hours and minutes.)

PERSONAL AND PUBLIC HYGIENE.

1. What is the chief purpose of hygiene teaching in the grades? Mention devices or indicate methods of procedure which will aid the teacher in attaining this end.

2. Describe somewhat fully the work of the State Board of Health in California.

3. (a) Give specific directions for the care of the eyes.
(b) Explain fully how you would detect eye defects in children.
(c) What evils result from defective vision?

4. How is each of the following diseases spread: "typhoid, malaria, tuberculosis, hookworm disease, diphtheria?

5. From the point of view of hygiene, what are the satisfactory and unsatisfactory features of the following described schoolroom:

Height 18 feet, length 34 feet, width 32 feet. Floors 1x6 soft pine boards. Five windows; three to children's left, one to their right, and one at the rear of the room. Windows are 3 feet wide, reaching within 2 feet of floor and within 6 feet of ceiling. Windows at rear and right are at the middle of their respective walls, those at left have 5 feet of space between them and are as nearly as possible at middle of left wall. Children at their desks face directly west. Half of blackboard is on front, half to the children's left. Number of seats 56. Seats and desks arranged with 2 inches "plus distance". Room is for children of a single grade and desks are of two sizes. Cloak rooms open into rear of classroom and not into hall. Furnace-heated, register in the floor at children's left. No exhaust.

QUESTIONS FOR 1915.

ARITHMETIC.

1. For what sum must I give my note at a bank for 90 days at 6% in order to secure $675.00 cash? (Omit days of grace).

2. A merchant sells 75 pairs of shoes for what 100 pairs cost him. Find his gain per cent.

3. A hot air flue is 12 inches by 24 inches. Find the diameter and circumference of a circular flue having the same area.

4. Wabash 5s are quoted at 107½. How much must be invested in them to yield an annual income of $1200?

5. The difference between two numbers is 5 and the difference between their squares is 95. Find the numbers by algebra.

6. Is it desirable for a pupil to analyze every problem he solves? Should he analyze any? Reasons for answer.

7. (a) Two girls receive $2.10 for making button-holes. One makes 42, the other 28. How shall they divide the money?

(b) Mr. Brown paid one-third the cost of a building and Mr. Johnson one-half. Mr. Johnson's share of the rent is $500 per year more than Mr. Brown's. How much did each receive?

8. Indicate which of the following topics in a course in arithmetic should receive little emphasis, which moderate emphasis, and which great emphasis:

Cube root, complex fractions, accuracy in fundamentals, "cases" in percentage, taxes and public expenditures, greatest common divisor, speed in fundamentals, least common multiple, compound proportion, insurance, apothecaries' weight, savings and investments.

HISTORY AND CIVICS.

1. If history be regarded as concerned with the actions and achievements of the people,

(a) In founding and managing a stable government;
(b) In framing moral standards and acquiring practice in following them;
(c) in developing and regulating their industries; and
(d) in stimulating and conserving wholesome family and neighborhood customs and institutions;

What can the school do to help on right practice in these several ways?

2. If you could discuss but one of these two problems in our history:

(a) The struggle for and winning our independence as a nation (culminating in the Revolution and the war of 1812-15); or

(b) the achieving of national unity (through the rise and fall of slavery, and the multiplication of common interests between the north and south, between the east and west), which would you select and why?

3. What effect does or should elementary history studies have upon the ideals and practice of citizenship?

Discuss along with this the methods of teaching history to accomplish these results.

4. For pupils who do not reach high school which part of American history is more valuable—the 150 years of pre-revolutionary colonial life, or the 50 years since the Civil War? Why?

Your answer will depend upon what you conceive to be the purpose of history studies to such youth.

Answer either the first or second and either the third or fourth.

METHODS OF TEACHING.

1. Discuss the teacher's responsibility toward
(a) The alert, capable, willing pupil;
(b) The willing and studious, but slow pupil of only average ability;
(c) The capable, but indifferent or unwilling pupil; and
(d) The well-disposed, but born-short pupil.

How does the organization of the school help or hinder you in accomplishing these purposes?

2. In your teaching, what difference do you, or in your proposed teaching, would you make in your treatment of boys and girls just entering their teens, as to (a) instruction and (b) discipline?

3. Of the several studies in the most progressive elementary schools, which ones do you consider the most important for children who are destined to leave school before the high school? Why?

4. Give the educational argument for the introduction of hand and constructive exercises into the elementary schools. Into what grades should they go?

Give the argument from the industrial or economic situation, for including industrial and vocational work in the school course. In what grades does this belong?

Answer No. 4, and one of the other three questions.

GENERAL SCIENCE AND HYGIENE.

(Answer three out of four in each list.)

I. GENERAL SCIENCE.

1. Select one of the following, and give a brief account of its life history and its uses or dangers to man:
   (a) The common house-fly.
   (b) The common toad.
   (c) Some bird (to be selected).

2. (a) What are the functions of the root, leaf, and flower of a plant?
   (b) Explain how you would teach these functions to a class of fifth or sixth grade children.

3. What are the main purposes of nature study in grades below the high school?

4. Explain the composition of air, water and coal.

II. HYGIENE.

1. Discuss decay of the teeth under the following heads:
   (a) Prevalence among children of school age.
   (b) Causes.
   (c) Means of prevention.

2. In about 150 or 200 words set forth some of the most important requirements of school sanitation.

3. (a) How is the temperature of the body regulated?
   (b) What does heat regulation of the body have to do with health?

4. Explain the most important effects of exercise on the health.

QUESTIONS FOR 1916.

ARITHMETIC.

(Answer any ten)

1. Separate $15,456 into four parts proportional to 2, 3, 4, and 5.

2. A school district with an assessed valuation of $860,291 wishes to raise by special school tax the sum of $1460. What rate will it be necessary to levy?

3. A owns a 37½% interest in a store building which is worth $20,000. The building is insured for 87½% of its value. If the building is totally destroyed by fire, how much insurance indemnity should A receive?

4. What principal at 6% for 2 years 6 months will yield $187.50 interest?

5. Find the value of x in each of the following equations:

$2x-49=69$

$345-x=135$

$9x-c=a+b$

$3x-8=1$

$\frac{}{4}$

$72-4x=56$

$\frac{}{5}$

6. Define the following: poll tax, income tax, inheritance tax, internal revenue, tariff.

7. The areas of two similar triangles are in the ratio of 3 to 1. The area of the larger is 1686 sq. feet and one of its sides is 97 feet. How long is the corresponding side of the other?

8. A insures his life for $5,000, the premium being $150 per year. He dies at the end of 10 years, after having paid 10 annual premiums. How much does his family gain by the transaction, money being worth 6%, simple interest?

9. "The arithmetic which is taught in the common schools should be the practical kind." Explain and illustrate the above statement.

10. Explain definitely what use you would make of drill in teaching number work.

11. What are the Courtis tests in Arithmetic?

METHODS AND MANAGEMENT.

(Answer any five.)

1. Describe a well-disciplined school as regards:
   (a) The degree of quiet;
   (b) The extent to which pupils are permitted to help one another in their lessons;
   (c) The number of rules;
   (d) The amount and kind of punishments inflicted.

2. Explain definitely what the teacher can do in the way of teaching children how to study.

3. What are some of the most important characteristics of the period of adolescence?

4. Explain in about one hundred words how you would teach composition in the intermediate grades.

5. Discuss the following statement: "All the great problems of the day must be regarded, in the last analysis, as educational problems".

6. Name two noted American educators (living or dead), and discuss briefly the work of each.

7. Tell what you can of the recently developed standard tests for measuring pupil proficiency in various subjects. Explain the value of such tests.

HISTORY AND CIVICS.

1. Cite important happenings—political, industrial, social and cultural, in American history between the close of the war of 1812-15, and the beginning of

the Civil War. What citizenship significance have any of these for school youth today?

2. If the amount of political history is to be reduced, in the upper elementary grades, what material would you substitute? Give somewhat detailed statement of such an outline.

3. What are the important features of American history since the Civil War to be emphasized for the seventh, eighth and ninth grades? Why?

4. What historical material can be used profitably, with children before the sixth school grade? Should it be confined to American history? Why? or why not? To Colonial history? Why? or why not?

Answer the first and second and either of the other two (according as you are interested in the primary, or grammar grades).

HYGIENE AND NATURE STUDY.

1. Indicate in a detailed outline a couse for the study of birds covering the four grades from the third to the sixth, inclusive—subject matter, method of treatment, amount of time given to it, etc.

2. What parts of physics have value for the household? Of chemistry? Give in detail an example of each.

3. Explain the habits and works of earthworms, bees.

4. Explain the processes involved in the various ways of cooking meats, and the dietetic advantages and disadvantages.

5. Describe standard means of ventilation, and their application to the school room: means of heating, and their relation to ventilation.

6. What are the food values of potatoes, sugar, vegetables?

Answer either the first or second; and two of the other four.

SCHOOL SAVINGS BANK SYSTEM.

It gives me pleasure to report that the School Savings Bank System continues in effective and successful operation. Inaugurated in August, 1911, under the plan submitted to the Board of Education by former Director Power, now Supervisor, the system has grown steadily with every passing year in popularity with the pupils of the Department and their parents, and also in business importance. Vice-President A. H. Giannini, of the Bank of Italy, who participated actively in the formulating of the original plan, and in whose institution the accumulated savings are deposited, reports the total of such deposits now on hand as $292,070.45, and the number of individual depositors as 17,026. These figures show a gratifying increase from the total of $68,187.37 of depositors, with 7,604 depositors, reported July 1, 1912, after the system had been in effect for one school year. During the past half-year, as is evidenced by comparing the present figures with those reported by Dr. Giannini in an address before the San Francisco Chapter of the American Institute of Banking last February, there has been an increase of $39,322.63 in the amount of deposits and 1,325 in the number of depositors, since on February 1st the amount on hand was $252,747.82, representing 15,701 individual accounts. During the first year that the system was in effect about one in every four pupils of the total in average daily attendance maintained accounts, while at present the proportion is one in two and three-quarters—certainly a gratifying proof of the growing popularity of the system.

DEFECTS IN SPEECH.

The Medical Department of the University of California (Affiliated Colleges) has conducted an exceptionally fine clinic in curing defects of speech. Classes have been held at the College and at one of our grammar schools. These have been well attended and have produced excellent results. We have many children suffering from various defects of speech which if uncorrected will seriously handicap them for life. Most of these defects yield readily to corrective measures if taken in childhood, but if neglected to adult life these defects are nearly or quite incurable. I believe that this work should be undertaken by the School Department.

STATE TEXT BOOK FUND COLLECTIONS.

Under date of July 31, 1916, there was forwarded from this office to State Superintendent Edward Hyatt at Sacramento, to be deposited in the State Text Book Fund, a certified check for six hundred and sixty-two dollars and fifty-eight cents ($662.58), which sum represents money received from pupils in the San Francisco public schools in payment for State text books carelessly lost or destroyed during the school years 1914-1915 and 1915-1916, as follows:

1914-1915	$413.23
1915-1916	249.35
Total	$662.58

The sending of the 1914-1915 remittance was deferred pending the rendering of an opinion by Attorney-General Webb, to whom Superintendent Hyatt had submitted the question, as to the proper disposition to be made of funds so collected. A previous remittance of eighty-four dollars and ninety-five cents ($84.95), representing collections for the school year 1913-1914, tentatively made, brings the total of such remittances to date up to $747.53.

SAN FRANCISCO PUPILS ESSAY CHAMPIONS.

It is with much satisfaction that I call attention herewith to the excellent showing made by pupils of our San Francisco public schools in the nation-wide "Thrift" contest. Out of the ten essays sent East by State Superintendent Edward Hyatt as the best examples of the work done by the school children of the entire State, four were written by San Francisco pupils. It is certainly something of which we well may be proud that our city, with a total average daily attendance of 46,562, as compared with 372,626 for the State as a whole, should furnish 40 per cent of the prize-winning essays, though possessing only a little over 12 per cent of the attendance. And to obtain four of the ten credits allotted to our entire State we sent but eight essays to Sacramento—there to compete with the scores submitted by all the other cities and counties of California. Probably nearly every school in the State, including, of course, those of all the most important cities north and south, was represented in the contest—a fact which cannot but add greatly to our satisfaction with its results. That satisfaction is further increased by the knowledge that the judge of the contest, State Superintendent Hyatt, is one whose official position as the representative of all the California Schools, as well as his high personal character, makes any question as to his absolute impartiality impossible.

California State Board of Education,
Office Commissioner of Vocational Education.

Sacramento, Jan. 3, 1916.

Supt. Alfred Roncovieri,
Superintendent of Schools,
San Francisco, California.

My Dear Supt. Roncovieri:

Relative to your communication of Dec. 31st, will say that some months ago I had the pleasure of visiting the Commercial High School in San Francisco and was tremendously impressed with the enthusiasm and interest in their work shown by the Principal and Teachers of that Institution.

The thing that appealed to me most strongly was the fact that the teachers of your Commercial High School make it a business to keep up with the demands of the commercial world. In every class that I visited I found the teachers using forms secured from business offices in San Francisco rather than from some text book, and these teachers seemed to know what the forms which they were teaching meant.

In my judgment San Francisco has a Commercial High School of which it can be justly proud.

I also visited the Humboldt Evening School during the latter part of last year and must say that I was astonished with what I observed there. I am sure that few people, even around the Bay region, appreciate the fact that San Francisco has for many years maintained such a thoroughly efficient evening vocational high school.

The thing that appealed to me in this Institution was the fact that the pupils in the school were being given the work which they desired rather than the work which some one else thought they desired. The teachers were men from the practical walks of life and they were instructing these young people largely in the technical subjects which supplemented their daily work.

I am free to say that I consider the Humboldt Evening High School one of the most effective Institutions in the State of California.

With best wishes for the New Year, I remain,

Yours very truly,
(Signed) EDWIN R. SNYDER,
Commissioner of Vocational Training.

ERS/DB

DEPARTMENT OF MUSIC, PUBLIC SCHOOLS.

Report of Miss Estelle Carpenter, Supervisor and Director of Music.

August 1, 1916.

Mr. Alfred Roncovieri,
Superintendent of Schools,
San Francisco, California.

My dear Sir:—

In reply to your request, I herewith submit the following report of the work done in the Music Department of the city schools ending June, 1916.

From the inspection of the work made during the past year, the results have shown a growth in many directions.

A deliberate process of education based upon scientific pedagogic and psychological principles has been pursued.

The process of interesting the child, through the singing of beautiful songs, has been the primary step in the musical education. By means of this interest

the child has been lead through the various paths to a knowledge of technical facts, and the child has been led to study the subject with such a whole-souled interest that he gradually realizes in some measure the depth and beauty of music's meaning and influence.

Music is the language of the soul which is the source of spiritual life and worthy action. The emotions may be intensified and uplifted by the continuous use of the right kind of music. This will have the correct effect upon the impulses. There is no other subject that can so grip the whole child. It gives him poise, power, and a higher development, because it gives him a higher love. Through this subject, the best of the physical, mental and spiritual nature can be vivified and strengthened. Song-singing should be recognized as essential and as important as fresh invigorating air in the school-room. The power of song is a gift more precious than diamonds; it is a fountain of joy. It makes the words seem possible, "I am youth; eternal youth; I am the sun rising, the poet's singing; I am the new world; I am a little bird that has broken out of the egg. I am joy, joy, joy!" If rightly used music has the power to formulate the motives of life. It is the means by which all Art impulses may be stirred; it is the inherent right of each child to obtain an insight into this Art that will enrich life. A wish for the knowledge of this Art will be stimulated by the study of the subject in the classroom.

Much thought and labor has been given to the task of bringing Music to the comprehension of the immature mind.

The music study has been made to co-ordinate with the general school system. The course has been so prepared by the Director that there is a logical unfolding of the steps, and through these steps has come self-development and power. During the year outlines were planned and given out, covering all sections of the work. At the regular meetings, guidance as to methods was suggested to the grade teachers. One thousand teachers were addressed, and one hundred and fifty songs were sung. The regular teacher has given the regular instruction under the plans outlined by the Director, who gave aid by conferences, meeting, class lessons, and who supervised by visits and thus by various means directed and advised, encouraged and inspired. The teachers have been a very vital factor in carrying the work to the child. In the child development there must be great faith, great hope, great courage on the part of the teacher. I commend highly the faithful, skillful work of our teachers, and I appreciate the spirit of their earnest cooperation. Many teachers have a genuine musical interest which lends an artistic charm to the work; and there are many who are grounded in the elements of music. If a regular teacher is not capable in this subject an exchange of work is made. In some schools a special teacher of music is given charge of a number of classes. There are thirty-two such teachers in the Music Department besides a number who take the singing in their schools without extra compensation. These special teachers have been most helpful and I thank them for their work. I trust more of them will be appointed next year. In a large department some schools require more attention than others, so these schools have been visited more frequently.

The development of the child on all sides has been encouraged. Correct habits for voice production have been urged. In the lower grades some remarkable work has been done along the line of curing the so-called monotone. As the ancients expressed themselves through song and dance so to the child just beginning has been given steps for rhythm and the motion song for expression. The Eurythmics of Jacques Dalcroze have been simply used, and in upper grades various drills have been given for rhythmical forms. Ear training, oral and written dictation, tone production, song singing, phrasing, diction, interpretation, sight singing have all been developed. The sight singing was commenced at the beginning of the Associate Period when endurance, memory, drill and discipline come easily. In music appreciation the children listened to musical numbers and

tried to recognize them. The Victrolas and grapaphones have been useful in this study. Interesting concerts have been given through their use and I hope that soon each school will own one of these instruments. A number of schools gave a musicale at the end of the term. All parents were invited, and great pleasure was derived by the children's participation. Work was carried on through the Adolescent Period. The stage of mutation was carefully watched and the voices helped. At this period the emotions predominate so the upper grades have been given the very best songs, such as "Handel's Largo"; selections from Mendelssohn's "Midsummer Night's Dream"; "Serenade" and "Who Is Sylvia" from Schubert; "Soldiers' Chorus" and "Praise Ye the Father" from Gounod; "Blue Danube" by Strauss; "Lift Thine Eyes", and selections from Wagner, Brahms, Dvorak, Lassen and Rubenstein. Modern composers have been represented by selections from Arthur Foote, Neidlinger, Farwell, Arthur Sullivan, Henry Hadley, Cadman and Paul Bliss. California composers have been represented by selections from Dr. H. J. Stewart, Oscar Weil, Metcalf, Pasmore, Savannah, Fickenscher and McCurrie.

Considering the very limited time allowed for music in each grade, and considering how many children enter school without acute tone perception and voice production the results in the music work have been remarkable.

There have been many visitors during the past year who have been favorably impressed with the work, and who have freely expressed their commendation.

A very great kindness was extended to the school children of San Francisco by Mrs. Giulio Minetti, Conductor, who gave an invitation to a series of concerts by the San Francisco People's Orchestra in the Civic Auditorium. There have been a number of small orchestra formed in various schools and all players are encouraged to join the High School Orchestra.

Mrs. May McGlade has been in charge of the high school music during the past year. Excellent courses have been given in theory, harmony, history of music, voice development, chorus and orchestra work. The choruses, glee clubs, and orchestras have been doing some notable work as shown in the regular rehearsals and the public performances in which they have taken part.

In the Cosmopolitan schools songs of the different countries have been taken in the native languages. In each intermediate school the work has been conducted by a special teacher and excellent results have been obtained.

The music work in the school has been a connecting link between the home and the community. The child often sings his school songs "round the family hearthstone". The precious hours spent thus will strengthen the family life and the home ties.

Since the fire, 1906, there have been forty-four school dedications generally on Sunday. At all these functions the singing of the children was an important feature, and the Supervisor personally led the choruses at nineteen of these dedications. During last year the Sarah Cooper and Oriental schools were dedicated; and the term before, the Marshall and Washington Irving schools' dedication exercises took place. At the Mothers' Club meetings, the graduations, and patriotic exercises the children's singing has been an important feature. These school affairs develop pride and love of family, city and country, in both parent and pupil, and make for better citizenship. The singing of the children has entered into the life of the city. Amid the ruins of 1906, our children's voices through the choruses gave cheer and helpfulness to many a heart. From June 6, 1906, through the many dedications and great public choruses the singing of the children has occupied a unique place in the history of our city.

The Panama-Pacific International Exposition brought tremendous opportunities to all in a musical way, and many of the children and teachers gained much inspiration from this source. The concerts given by the bands and those given in Festival Hall will always be remembered. The graphaphone companies' lectures and concerts were most profitable. A free concert was given by Madame Schu-

mann-Heink in Festival Hall, and by her invitation I directed the four thousand children in patriotic songs. I wish to express my deep appreciation for the wonderful kindness of Madame Schumann-Heink. Her marvelous singing will always be a much beloved memory. The children's singing contributed to the upbuilding of the Exposition, as a number of choruses sang at the ground breaking of Machinery Hall and Chinese site, and at the Liberty Bell performances. Also a chorus of three hundred children from various schools took part in the ground breaking exercises of the Civic Center.

In every way the study of music is encouraged and children are urged to attend concerts.

I wish to recommend the following:

(a) That two pianos be given to each large school.

(b) That in assigning teachers the musical ability be taken into consideration with the musical need of the school.

(c) That supplementary books be given to the teachers of the third grade, and to the children of the fourth and fifth grades to be selected by the Director.

(d) That music books destroyed by the fire by replaced to the schools.

(e) That supplementary octavo material be given to the Director for the use of the upper grade classes.

(f) That the Superintendent send to schools supplementary books "Stories of Great Musicians" by Hurne and Scobey.

(g) That a typewriting machine be sent to the office of the Director.

(h) That a Victor or phonograph be given to each school with sets of records.

I wish to thank the teachers for their good work and the principals for their support of the Music Department.

I am appreciative of the help given by the Assistant, and the cooperation of the special teachers.

I am deeply grateful to the Superintendent and the Deputy Superintendent, and the Honorable Board of Education for their assistance and kindness. I am,

Yours sincerely,

ESTELLE CARPENTER,
Director of Music.

REPORT OF DIRECTOR OF ART.

San Francisco, August 1, 1916.

Mr. Alfred Roncovieri,
Supt. of Schools,
San Francisco.

My dear Mr. Roncovieri:

In reply to your request for a report from my department for the past year, I desire to say, that I and my assistants have striven, to the best of our abilities, to follow the course of study, which you have prepared for us.

We have visited the schools regularly on an average of once a month, but this we feel to be insufficient for the supervision we deem necessary to accomplish the results we desire to obtain. And now that our schools have increased so extensively, our visits will of necessity be less frequent. I therefore desire to recommend that another assistant be added to my department. We feel gratified at our results in many classes of our schools, and at the commendation of our successes which have attracted the attention of distinguished educators who have visited our city.

With the increased demand of the industries of our nation for more and better design, we feel that this generation of the San Francisco children should be

given every opportunity for training in the fundamentals which later will be useful in the pursuit of practical arts.

With a keen appreciation of the services of our teachers, and the support of our principals in carrying out our plans, and your unfailing courtesy, I remain,

Yours respectfully,

KATHERINE M. BALL,
Director of Art, San Francisco Public Schools.

REPORT OF SUPERVISOR OF HOME ECONOMICS, ELEMENTARY SCHOOLS.

June 9, 1916.

Mr. Alfred Roncovieri,
Superintendent of Schools,
San Francisco, Cal.

Dear Sir:

I beg to submit the following report of the Home Economics Department for the fiscal year 1915-1916.

Personnel—		
Supervisor	1	
Teachers in Intermediate schools	3	
Teachers in other grammar schools	11	
Teacher, part time	1	
	—	16
Plant—		
Domestic science laboratories		28
Practice dining-room		1
Enrollment and Cost—		
Average monthly enrollment, domestic science	4184.7	
Cost of cooking supplies and laundry	$1832.505	
Cost of cooking supplies and laundry, per pupil	0.44	
Visits to Domestic Science Laboratories—		
By school officials		59
By supervisor		274
By others		2000
Domestic Art—(This is exclusive of the work done in the Intermediate schools.)		
Schools in which sewing is taught		9
Classes taught by teachers of our home economics department		7
Classes taught by student-teachers from Lux School		23
Number of pupils taught, spring term		621

WHAT WE HAVE DONE DURING THE PAST YEAR.

Domestic Science.

I am happy to report that the character of the teaching is improving all the time, and that there is a growing feeling of co-operation with the teachers of academic subjects and with teachers of other "special" subjects.

At present our course in the selection and preparation of foods covers two years, and is given to the girls of the 7th and 8th grades. Pupils receive one lesson per week of 85, 90 or 120 minutes each. In the Intermediate schools a three years' course is given, and begins in the 8th grade.

During the spring term we had Visitors' Days at most of the laboratories, and parents and friends were invited to visit the room while a class was in session. At several laboratories special exhibits were prepared. At the Intermediate schools and at one other school the girls of the 8th grade presented an exhibit showing the relative food value of several common foods. This demonstration was modeled on some seen last year at the Exposition.

At two schools our pupils displayed and explained California food products, and we had a speaker from the Home Industry League. At another laboratory we gave a demonstration of child feeding, and several schools had exhibits of home cooking. The girls served refreshments prepared in class. We had several hundred guests who seemed pleased with both the class-work and the refreshments.

Domestic Art.

It is a matter of regret that a course in domestic art is not given in all our elementary schools. The work done in this line in the Intermediate schools is much appreciated by both the girls and their mothers, and there are many principals in other schools who would like to see similar sewing courses put in their schools.

A tentative plan for teaching sewing without extra teachers or equipment was tried by me last term. Four of my teachers had free periods which were devoted to domestic art, and seventeen student-teachers from the Lux school helped out in other schools.

The Lux School is an endowed school giving a two years' normal course in home economics. The State Board of Education requires that teachers in training do a certain amount of practice-teaching. The Lux students, to our mutual advantage, do their practice-teaching in our schools, teaching sewing to classes that could not otherwise be taught.

We began this arrangement during the spring term 1915, with two practice-teachers. Their work was so satisfactory that several principals asked for other practice-teachers to teach sewing, so that at present we have seventeen.

While the work is still too new and too incomplete to be judged as a domestic art course, it offers, I think, a good example of co-operation. The staff of the Lux School has been most helpful in planning work to meet our peculiar conditions; our principals have adjusted their school programs to meet the Lux time schedule, and several manual training teachers have helped us with sewing tables made in the shops as class work.

Desired Expansion.

I would like to see the home economics department expand in three directions.

1. A domestic art course, under a competent assistant supervisor.
2. Cafeterias or lunch-rooms established in schools were needed.
3. The work with foods now given, extended and improved.

The city budget does not provide funds for the first two items, but I hope that it will be possible to improve our present equipment for domestic science work. We need more cooking laboratories, and new mill-work at some of the old ones.

1. New laboratories. At present only twenty-eight of the fifty-one schools having girls in the 8th grades are provided with laboratories. Twenty-five per cent of our pupils have to leave their school to take cooking lessons. Twelve schools have an enrollment in the 7th and 8th grades to warrant the equipping of a domestic science room. In six schools the need seems to me to be urgent. The Fairmount School sends 165 girls to cooking every week, the Columbia School 145. The pupils of the McKinley, Grattan, Rochambeau and Yerba Buena schools are also numerous in our classes, and travel blocks from their schools to our laboratories.

2. I would like to have the mill-work at the Irving M. Scott, Horace Mann and Hearst schools scrapped, and up-to-date tables, etc., installed. These laboratories were equipped about twenty years ago, with makeshift furnishings.

3. I would like fresh paint and minor repairs at several laboratories and fly-screens at all windows not already provided with them.

4. I would like about half a dozen books of reference for each laboratory, and several sets of food charts, to be used in turn at different laboratories.

I would like to make some changes and improvements in the teaching of home economics in the grades. I think that we could make better use of several organizations that would be glad to help us train our girls for home life. In the schools I have always found principals and teachers willing to listen to any plans for correlation that I have suggested, and I have met with the most cordial co-operation when I have asked for information or help from a civic organization.

I expect many helpful suggestions from the report of Mrs. Henrietta W. Calvin, the home economics specialist of the staff of investigators who made the "School Survey" last spring. My teachers and I liked Mrs. Calvin, and hope that she liked our work and will show us how to improve it. We are looking for her report with interest.

Yours truly,

ELLEN M. BARTLETT,
Supervisor of Home Economics, Elementary Schools.

REPORT ON SPECIAL CLASSES FOR SUB-NORMAL CHILDREN.

Miss Louise M. Lombard in charge.

San Francisco, August 1, 1916.

Mr. A. Roncovieri,
Superintendent of Schools,
San Francisco, Cal.

My dear Sir:

I respectfully submit the following report of work in special classes for sub-normal children for past school year.

Three classes for sub-normal children are now organized—two at Ungraded Primary School and one in Buena Vista Primary School. During the past school year these classes have cared for fifty-three children. Of these number five have been sent on into regular grade work, one to Ethan Allen School and one motherless girl with immoral tendencies and decidedly sub-normal was admitted to Glen Ellen, State Home for Feeble Minded.

There are still in the grades with normal children, a hindrance to them and gaining little themselves, many of these children who require special care and training, showing urgent need for additional classes.

The need is also great for a new building to replace the one in which the classes at Ungraded Primary are conducted. The building is too small to accommodate the number of children cared for and entirely unsuited to the work. The grounds, which are large and well suited to gardening, cannot be used for this purpose as there is no protection and work done during the day is destroyed at night.

Respectfully,

LOUISE M. LOMBARD.

REPORT OF THE SCHOOL FOR THE DEAF.

Mr. Alfred Roncovieri,
Superintendent of Schools,
San Francisco, Cal.

Dear Sir:

In reply to your favor of June 13th asking for a report of the year's work in the Deaf Department for the last school year I would state that eight new pupils have been admitted to the school since last August. Two pupils were discharged—both semi-deaf. One who was in the Deaf Department two years was placed in a class for the hearing in the Golden Gate School. The other pupil, in attendance a year and a half, entered the Hamilton Intermediate School. Both these pupils came from regular hearing schools and had lost ground through partial deafness. Since discharging these pupils we have kept in touch with them and reports show they are working earnestly and doing well.

A new teacher, trained and experienced, was added to the corps this year, which has made it possible to grade the classes better. We now have thirty pupils enrolled.

All of the new pupils, seven of whom entered since February, had absolutely no language. They had never spoken and did not know that objects had names. Their sole means of communication were natural gestures.

Great effort has been made to improve the speech and speech-reading. Contests in speaking of all classes have been held every Friday in on of the class-rooms and aroused the ambition of children to master difficult sounds and otherwise improve in speech.

The Manual Training Class is a great pleasure and benefit. Seven boys have attended the John Swett School one period a week for instruction. Their very handicap is in a sense an advantage in the designing room as they are quiet and concentrate on their work.

For the first time since the Deaf Department was opened, drawing as taught in the hearing schools and under the supervision of the teachers of drawing, was introduced this year and has rendered a valuable service in creating a means for expression and power of observation.

The older girls received instruction in cooking at the Crocker School. There is, of course, some loss of time making the trip back and forth to these classes, the time coming out of the regular class work. This we regret.

The physical training introduced this year has helped very much in securing poise and posture. So far, we have used the exercises prescribed for the hearing children, adopting no special methods. The directions for these exercises are given orally, as far as possible, thereby training the children to an alertness in response to commands and directions, at the same time increasing their faculty in lip-reading.

The daily traveling to and from school has given these children self-reliance and has brought them in constant contact with hearing people. In a number of cases the older children take care of the little ones and there have been no accidents.

Instruction in sewing is carried on in the school-room. We want a sewing machine and have asked for it.

While the Exposition was in progress we were able to make a collection of raw materials from exhibits there, which furnish us the beginning of a school-room museum invaluable in the teaching of geography and nature study. As most of our teaching with this class of children must be objective we need an abundance of such material.

With an additional class we are in need of another school-room which is to be provided, I believe. We have also asked for a large closet to be built in in the southwest school-room.

There are frequent requests from adult deaf and hard of hearing for instruction in lip-reading. In many cases these people cannot afford private lessons. Their state is a very serious one and deserves relief. In a number of cities where the number justifies it provision is made for instruction in lip-reading to the adult deaf. These classes are usually conducted by experienced teachers of the deaf in night schools. I would suggest that this matter receive the consideration of the school authorities.

In a former letter to you I mentioned the need of better heating facilities in two of our school-rooms, the lack of which comes through some faulty construction of the school's heating plant. An effort was made last year to divert the heat from pipes leading to other rooms, to these cold rooms, but the result was far from satisfactory. As there seems no way to remedy this trouble with the present plant we would like stoves placed in these two rooms.

In conclusion I would say that there has been a gain along all lines of work.

We appreciate the co-operation of the Board of Superintendents and the Board of Education.

Very respectfully,

ALMA L. CHAPIN,
Teacher in charge of the San Francisco Day School for the Deaf.

DEPARTMENT OF PHYSICAL EDUCATION, ATHLETICS, SOCIAL AND LECTURE CENTERS.

July 31, 1916.

Mr. Alfred Roncovieri,
Superintendent of Schools,
San Francisco, Cal.

My dear Mr. Roncovieri:

In response to your request for a report concerning the work of the Department of Physical Education, Athletics, Social and Lecture Centers, may I ask you to accept my report of January 19th, 1916, in fulfillment of your request. To the report of January 19th, I wish to add the attached statement which shows the manner and the methods of expanding the work in physical education to include the high schools. The report of January 19th, together with the statement concerning the high school, brings the report of my Department up to date.

Yours sincerely,

E. B. DeGROOT.

BOARD OF EDUCATION—DEPARTMENT OF PHYSICAL EDUCATION, ATHLETICS, SOCIAL AND LECTURE CENTERS.

To Principals and Teachers of High Schools:

On June 20th the Board of Education created for the high schools the position of "Director of Physical Education and Athletics" and appointed the following persons to fill the positions thus created:

Polytechnic High School—Mr. Willis O. Hunter, Director of Physical Education and Athletics for Boys. Miss Gertrude Brown, Director of Physical Education and Athletics for Girls.

Lowell High School—Mr. Courteney Overin, Director of Physical Education and Athletics for Boys. Miss Clara Newhouse, Director of Physical Education and Athletics for Girls.

High School of Commerce—Mr. George G. Lorbeer, Director of Physical Education and Athletics for Boys. Miss Nita Sheffield, Director of Physical Education and Athletics for Girls.

Mission High School—Mr. Omar F. Bradway, Director of Physical Education and Athletics for Boys. Miss Nita Sheffield, Director of Physical Education and Athletics for Girls.

Girls High School—Mrs. Laura H. Tharp (reappointed), Director of Physical Education and Athletics.

The object of this action by the Board is to center the responsibility and leadership in all matters of physical education and athletics in one man for the boys, and one woman for the girls in each of the high schools.

The Directors of Physical Education and Athletics will become members of the faculty in their respective schools. They will be subordinate to the Principal and subject to all of his rules and regulations for the guidance of the faculty.

The Director of the Department of Physical Education, Athletics, Social and Lecture Centers will aid the Principal in establishing and carrying forward the work of physical education and athletics. He will be responsible for all technical procedure and the supervision of the methods, systems and practices of the Directors of Physical Education and Athletics.

The general plan of procedure will be extensive, rather than intensive, athletics; i. e., methods and practices which will center time and effort upon the mass of students, rather than upon the coaching of "first teams".

The Directors of Physical Education and Athletics will welcome the voluntary assistance of other members of the faculty in coaching and supervising teams for interschool contests. The work of volunteers, must, however, harmonize with the plans and the aims of the Directors of Physical Education and Athletics who, alone, will be held responsible to the Principal and the Department.

The Directors of Physical Education and Athletics will at once address themselves to carrying out the following aims. The extent to which some of the aims may be carried out will depend upon the physical facilities at hand and the measure of co-operation accorded the Directors of Physical Education and Athletics by the Principal and the members of the faculty.

AIMS OF THE DEPARTMENT OF PHYSICAL EDUCATION AND ATHLETICS IN HIGH SCHOOLS.

I. Physical Aims. The development of organic vigor through muscular exercise and the establishment of habits which lead to systematic physical exercise. By means of:

Organized and directed play in the building or in the school yard.

Systematic classes in gymnastics in the building or in the school yard.

Folk, gymnastic, aesthetic and social dancing as part of a gymnastic course or as an unrelated exercise.

Class or group competition in games and athletic events wholly within the school.

Boxing, fencing and wrestling, arranged for groups on competitive or non-competitive basis.

Swimming, diving and life saving, arranged for groups on competitive or non-competitive basis.

Interschool competition in games, aquatics and athletic events arranged directly with other schools or through athletic leagues. (Interschool events for girls must be arranged only on the basis of an invitation to play or compete. The parts of "host" and "guest" must be strictly carried out.

Talks or lectures by the Director on physiology of exercise, hygiene and first aid.

Insistence upon the application of the laws of hygiene in exercise, bathing, dress and training.

Medical examination of heart, lungs and nervous system of all students who participate in events which call for a severe test of speed, strength or endurance.

Note.—As soon as feasible, these physical aims should be guaranteed to the student by certain required work for freshmen and sophomores, and by elective participation for juniors and seniors.

II.—Social and Ethical Aims. The awakening and development of social ideals and good conduct. Not to be attained by mere preachment, but through the experiences of the student, supplemented by interpretations of the Director, the Principal and members of the faculty who observe students in their play expressions.

By means of:

Participating in the "school spirit" engendered by athletic contests—loyalty.

Taking defeat gracefully and victory modestly—self-control.

Giving the "square deal" to team mates and adversaries alike—good sportsmanship.

Accepting the rulings of officials without "crabbing"—respect for authority.

Working together and subordinating self interests for common interests, as in team play—the essence of good citizenship.

Avoiding the use of profane and obscene language. Attention to proper dress upon the athletic field, in the gymnasium and about the school. Proper conduct and language in the presence of the opposite sex, especially at school dances and athletic functions. Guarding against slouchy, slovenly, tough expressions of any character—good manners.

Training; i. e., faithful, painstaking effort when upon the athletic field, and avoidance of tobacco, liquor, late nights and weak companions when off of the athletic field—moral stamina.

Respectfully,

E. B. DE GROOT,
Director of the Department.

RULES FOR THE ESTABLISHMENT AND OPERATION OF NEIGHBORHOOD CENTERS IN THE PUBLIC SCHOOL BUILDINGS OF SAN FRANCISCO.

The Board of Education will grant and promote, through its Department of Physical Education, Athletics, Social and Lecture Centers, the use of school buildings for evening neighborhood centers of the following character:

A—Social Centers. For the purpose of conducting neighborhood rallies, entertainments, clubs, etc., for any moral purpose except political or religious propaganda.

B—Lecture Centers. For the purpose of conducting lectures, discussions or debates upon any subject free from political or religious propaganda.

C—Music Centers. For the purpose of promoting neighborhood choruses or other musical interests of the people.

Note.—The term "Social Center" is here used to denote an inclusive neighborhood center. The social center may, therefore, include both lecture and music centers, as well as many other interests and activities.

By "political or religious propaganda" is not meant broad and liberal treatment of the civic and ethical questions of the day. The bar is against partisan or factional politics, and the promotion, criticism or giving offense to any religious faith or organization.

When neighborhood centers are established, the Board of Education will provide the following for each center:

One employe of the Board of Education to serve as leader, promoter and manager of the center.

Necessary janitorial service.

Light and heat.

A certain amount of equipment, repairs and supplies required for given activities.

Motion picture service in social centers once each month.

Stereopticon and operator in lecture centers.

Piano in music centers.

All other items of expense in the operation of a neighborhood center must be met by the patrons of the center. Club dues and admission fees may be collected and expended under the following rules:

1. Each club or unit group in the center must select a chairman or president and a secretary-treasurer, who will be responsible not only to the group they represent, but equally responsible to the manager of the center.

2. Dues or admission fees collected by any club or unit group of the center must be immediately deposited with the manager of the center. Deposit and receipt books must be used to insure accuracy and clear records involving all collections, deposits and disbursements of funds.

3. The sale of tickets for any entertainment must be conducted only at the entrance door at the time of the entertainment. Outside sale or huckstering of tickets will not be permitted.

4. All money derived from club dues or entertainments must be invested in the further equipment or operation of the center.

5. Admission fees to any form of entertainment must not be greater than 25c per person.

GENERAL RULES.

The regular closing time for evening centers shall not be later than 10 o'clock. The extended time for special functions shall not be later than 11 o'clock.

Children shall not be admitted to evening centers unless accompanied by adults.

The activities of the evening centers must be confined to those parts and facilities of the building that have been assigned for evening center use.

Smoking in or about the building will not be permitted. Spitting upon floors and other offensive acts will not be tolerated. Patrons of evening centers must be thoughtful of the rights and safeguards of children to whom must be guaranteed a sanitary, orderly and well kept school plant.

There must be strict adherence to all regulations imposed from time to time by the manager of the center. The manager will exercise advisory control and ultimate authority in all matters of operation.

REPORT OF ETHAN ALLEN SCHOOL (Parental School)—1915-1916.

Hon. A. Roncovieri, Superintendent of Schools.

Dear Sir: On July 26, 1915, we opened our school with 65 boys. On that day we paroled 16 boys. In addition to sending 16 boys to other schools, we allowed 19 boys to go to work. Of the paroled boys 2 were compelled to return, the rest keeping up with the class-work, in many cases having been promoted during the term, advancing a grade or two.

In December, 1915, we paroled 16 boys; 5 boys went to work; 8 boys graduated from 8-B grade from other schools. Many of our boys are now attending High School. The boys sent to work have proved satisfactory and all have been able to advance in the places we sent them.

Our school work is ungraded, consisting of grades from 1st to 8th. We follow the regular course of study, slightly modified, to meet the special conditions,

so that a boy may fit in readily when paroled. This term we intend introducing type-writing and commercial arithmetic. The boys have a weekly paper and it is both interesting and a help to the school.

In addition to the curriculum, we have established and are carrying on successfully, rug-weaving, brush-making, basketry, cobbling, wood-work and gardening. We have now $110 in Bank of Italy from articles sold during the term.

This is the first term in the new Ethan Allen building—the ground surrounding this school, which was to have been used for the garden, was formerly a marble yard. The boys had to work very hard to transform these heaps of debris into a flourishing vegetable and flower garden. Our garden produces enough vegetables to supply the boys with a luncheon daily. We plant twice a year, thus giving us two crops. This year, in spite of the discouraging quality of the soil, our first crop was very successful, consisting of potatoes, beets, radishes, carrots, Swiss chard, beans, peas, onions, artichokes, cabbages and lettuce. We have a nice pumpkin patch and we are looking forward for "A nice crop of pumpkin pies" on Thanksgiving Day.

We also have a strawberry and blackberry patch and for the first year we had a fair crop.

Our varied activities have been helpful in strengthening the habits of concentration and industry and in many cases helping to assist the boy in determining his future work in life.

Our five showers and three bath tubs have helped much to secure habits of cleanliness—these are used daily.

The time of detention varies, because it takes a long time to undo years of bad habits. If we would receive these boys earlier, it would not be necessary to keep them so long. Our aim is to make this a corrective school, therefore if we could receive the boys after their first serious offense, the time for returning to their schools would be shortened.

Before corrective influences can be effective the physical condition must be improved, therefore a weekly dietary has been prepared with a view to supplying a right amount of each of the food elements necessary to improve the physical condition of the boy. I recommend that a physician be appointed to make weekly or semi-weekly visits to the school, examining the boys for physical defects as well as to general condition. This term we hope to establish a dental chair and have a dentist to examine the boys' teeth. We have also made arrangements to have a psychological test taken of every boy.

We have a Patrons' and Mothers' Club in connection with the school and we find that these are great factors in drawing closer bonds between home and school. Very often boys misunderstood at home are re-adjusted in their home relations through the closer relation established between the teacher and the child. A number of trained workers are going to be employed to visit homes and get a thorough understanding of home conditions in order to raise the standard.

During the vacation a trained worker was paid to visit the homes, every week, getting a full account of conduct. This is kept on record. By this means we keep in touch with all the boys during the vacation, which in my mind is far more important than regular school time. Very few if any of our boys get in trouble during the vacation.

We have a circulating library in connection with the school in order to cultivate a taste for good reading. During the term 150 books were donated.

I recommend the curfew law be strictly enforced, also the habit of peddling after dark, as the little money earned, together with the vast amount of liberty, gives them a desire to leave home and under these conditions they come under very evil influences.

Most respectfully,

RAE ALEXANDER, Principal.

UNIVERSITY OF CALIFORNIA—MUSEUM OF ANTHROPOLOGY.
LECTURES.

Affiliated Colleges, June 16, 1916.

Dr. Alfred Roncovieri,
Superintendent of Schools,
San Francisco.

Dear Dr. Roncovieri:

The following figures show the attendance of San Francisco grammar and high schools at the Museum of Anthropology for lectures during the preceding years:

1911-1912	1932
1912-1913	9273
1913-1914	9044
1914-1915	7532
1915-1916	6279

Note.—The lectures during the spring term, 1915, were cancelled on account of the illness of the lecturer. No grammar school classes were scheduled for the fall term, 1915, on account of the attendance of classes at the Exposition.

In December, 1915, the following circular was issued to teachers of 5th, 6th, 7th, and 8th grades:

"The University of California Museum of Anthropology at the Affiliated Colleges offers the following illustrated lectures to the children of the public schools of the City and County of San Francisco during the Spring Term, 1916. All of the lectures are supplementary to class-room work in history and geography.

"The lecture room of the Museum seats 180 pupils.

"Every afternoon and Monday, Wednesday and Friday forenoons are available for these lectures at the Museum. Attendance is purely optional on the part of the Principals and teachers; but in order to make definite arrangements, teacners desiring to attend with classes are requested to indicate their choice of lecture and time on the enclosed slip. The slip is to be returned without delay to the Superintendent's office. The schedule of lectures will then be prepared during the Christmas vacation.

"We have expectations that the United Railroads will furnish special cars to transport pupils direct from the school to the Museum, and then back to the school after the lecture. We shall furnish more exact information on this point later.

"The following are the lectures offered:

"Lecture No. 1. The Indians of California. The lecture is followed by a visit to the 'California Indian Hall', where the exhibit is explained to the pupils.

"Lecture No. 2. Spanish Explorers in the Southwest. The lecture is followed by a visit to the 'Southwestern Indian Hall', where the exhibit is explained to the pupils.

Lecture No. 3. Ancient Peru. The lecture is followed by a visit to the 'Peruvian Hall', where the exhibit is explained to the pupils.

"Lecture No. 4. Ancient Egypt. The lecture is followed by an explanation of the exhibit in the Museum's 'Egyptian Hall'.

"Lecture No. 8. Aboriginal Life in California. An illustrated lecture showing Ishi in his native wilds in Tehama county—an exposition of life in Californa three centuries ago. This lecture is followed by the examination of the collection of implements from Ishi's haunts.

"Lecture No. 19. The Races of the World. Particularly comprehensive and well illustrated. No exhibit.

"Lecture No. 11. The Indians of the Great Plains. The lecture is followed by a visit to the 'Plains Indian Room', where the exhibit is explained to the pupils.

"Lecture No. 12. The Races of Europe. This lecture is best suited for 7th and 8th grade pupils. It makes clear the racial and linguistic composition of the warring nations. Profusely illustrated. No exhibit.

"ALFRED RONCOVIERI, Supt. of Schools.

"Kindly fill out the following blank and return to this office.

"Name of teacher.....
"Class .....
"School .....
"Lecture desired .....
"Approximate number of pupils who will attend.....
"Day of week preferred.....
"Forenoon (Monday, Wednesday and Friday only).....
"Afternoon ....."

In May, 1916, the following circular was issued to teachers of 5th, 6th, 7th and 8th grades.

"The University of California Museum of Anthropology at the Affiliated Colleges is offering twelve illustrated lectures to the public schools of the City and County of San Francisco during the Fall Term, 1916. All of the lectures are supplementary to class-room work in history and geography.

"The lecture room of the Museum seats 180 pupils.

"Lectures will be given at 2:30 on every afternoon. Attendance is purely optional on the part of principals and teachers; but in order to make definite arrangements, teachers desiring to attend with classes are requested to indicate their choice of lecture and day on the enclosed slip. The slip is to be returned without delay to the Superintendent's office, as the schedule of lectures is to be prepared during the summer vacation.

"Classes from one school totaling seventy-five or more pupils (incluing teachers) and attending the same lecture at one time, may obtain a special car from the United Railroads at the ordinary street car rate or less. The United Railroads charged $7.50 for a special car regardless of the number of passengers. The special car calls for the pupils at or near their school and carries them direct to the Museum without change. After the lecture the car takes the pupils from the Museum back to the point of departure.

"The following are the illustrated lectures offered. With the exception of numbers 9 and 12, all are followed by a visit to the appropriate exhibit, which is explained by the lecturer.

"Lecture No. 1. The Indians of California.
"Lecture No. 2. Spanish Explorers in the Southwest.
"Lecture No. 3. Ancient Peru.
"Lecture No. 4. Ancient Egypt.
"Lecture No. 5. Greece and Rome.
"Lecture No. 6. The Totem Pole Indians.
"Lecture No. 7. The Eskimos.
"Lecture No. 8. The Filipinos.
"Lecture No. 9. The Races of the World.
"Lecture No. 10. The South Sea Islanders.
"Lecture No. 11. The Indians of the Great Plains.
"Lecture No. 12. The Races of Europe.

"The following report from Lecturer Gifford is interesting:

" 'It affords me pleasure to report to you the success of your scheme of optional attendance of grammar school classes at the lectures offered by the University of California Museum of Anthropology at the Affiliated Colleges. During the present term I have so far delivered forty-nine lectures to 3274 pupils. There are still ten more lectures to be given, so that the total for the spring term of 1916 will be close to 4000. You may be interested to know that I have also given during this spring term twenty-four lectures to 1109 San Francisco high school students.'

"Respectfully yours,

"ALFRED RONCOVIERI,
"Supt. of Schools."

May 10, 1916.

Your recent circular listing the twelve lectures offered by the Museum for the fall term of 1916, certainly has received a very general response. Applications for lectures for classes aggregating 15,577 pupils have been received. Unfortunately, we are not able to arrange afternoon lectures for all of these classes. I have, however, prepared a schedule which will allow of the afternoon attendance of 13,854 pupils at the Museum during the ensuing term. The large number of applications has necessitated the canceling of Lecture No. 7 on the Eskimos, for which classes aggregating 1723 pupils had applied. The lectures for the fall term will begin on Monday (August 7) of the second school week, and will end on Friday (December 15) of the next to the last school week.

I would be delighted if you would offer suggestions looking towards the improvement of our school lecture service.

With best wishes for a pleasant vacation, I remain,

Sincerely yours,

E. W. GIFFORD,
Associate Curator.

Encl. EWG/CR

TITLES OF TEXT-BOOKS IN USE IN SAN FRANCISCO HIGH SCHOOLS, SCHOOL YEAR 1915-1916.

Abbreviations of schools are: C, High School of Commerce; G., Girls High School; H., Humboldt Evening High School; L., Lowell High School; M., Mission High School; P., Polytechnic High School.

ENGLISH.

Title of Text and Publisher	Date of Adoption	Schools Using
Gayley & Young's Principles and Progress of English Poetry (MacMillan)	Oct. 1, 1909	All
Gayley's Classics Myths (Ginn)		G., C., P.
Gayley & Flaherty's Poetry of the People (Ginn)	Oct. 1, 1909	All
Brooks English Composition (American Book Co.) Books I and II	July 2, 1913	G. (Book II), C., H. L. (Book II), M., P.
Long's History of English Literature (Ginn)	July 23, 1910	G., P.
Bradley's Orations and Arguments (Allyn & Bacon)	Oct. 1, 1909	P.
Classics		

FRENCH.

Chardenal's Complete French Course (Allyn & Bacon)	Aug. 24, 1912	G., L., M.
Francois' Introductory French Prose Composition (American Book Co.)	Aug. 30, 1911	G., C., L., M., P.
Francois' Alternative Exercises (American Book Co.)	Aug. 30, 1911	G.
Patton's Causerier en France (Heath)		G.
Walter & Ballard's Beginner's French (Scribners)	Jan. 5, 1915	C., P.
Fraser & Squair's Abridged French Grammar (revised) (Heath)	Jan. 6, 1914	C., P.
Ballard's Short Stories for Oral French (Scribners)	Jan. 5, 1915	P.
Classics		

GERMAN.

Spanhoofd, Lehrbuch der Deutschen Sprache (Heath)	Oct. 1, 1909	G., H., L., M., P.
Muller & Wenckbach Gluck Auf (Ginn)	Oct. 1, 1909	G., M.
Walter & Krause's Beginner's German (Scribner)		
Walter & Krause's First German Reader (Scribner)	Jan. 6, 1914	C
Wesselholft German Composition (Heath)	Oct. 1, 1909	C
Bierwirth Elements of German Grammar (Holt)		C

Title of Text and Publisher	Date of Adoption	Schools Using
Pope German Composition (Holt)	Oct. 1, 1909	C
Bacon's German Grammar (Allyn & Bacon)	July 2, 1913	L.
Pope Writing and Speaking German (Holt)	Oct. 1, 1909	P.
Bacon's German Composition (Allyn & Bacon)	July 2, 1913	L.
Classics		
LATIN.		
Allen & Greenough's New Latin Grammar (Ginn)	Oct. 1, 1909	G., L., M.
Greenough, d'Ooge & Daniel's Second Year Latin (Ginn)	Oct. 1, 1909	G.
Allen & Greenough's Cicero's Orations and Letters (Ginn)	Oct. 1, 1909	G., H., L., M.
Greenough & Kittridge's Virgil (Ginn)	Oct. 1, 1909	G., M.
Rolfe & Dennison's Junior Latin Book (Allyn & Bacon)	July 2, 1913	L., M.
Fairclough & Brown's Virgil (Sanborn)	Oct. 1, 1909	L.
Peck's Ovid (Ginn)		L.
GREEK.		
Goodwin's Greek Grammar (revised) (Ginn)	Oct. 1, 1909	L.
Goodwin & White's Anabasis (Ginn)	Oct. 1, 1909	L.
Sterrett's Iliad (American Book Co.)	Oct. 1, 1909	L.
SPANISH.		
Worman's Spanish Book (I & II) (American Book Co.)	Oct. 1, 1909	C., P. (I)
Umphrey's Spanish Prose Composition (American Book Co.)	Oct. 1, 1909	C., P.
Harrison's Spanish Commercial Reader (Holt)		L.
Crawford's Spanish Composition (Ginn)		L.
Marion-Garennez-Introduction a la Lengua Castellana (Heath)		P.
MATHEMATICS.		
Hawkes, Luby, Touton First Course in Algebra (Ginn)	Jan. 6, 1914	G., C., H., L., M., P.
Betz & Webb, Plane Geometry (Ginn)	Jan. 6, 1914	G., C., H., L., M., P.
Taylor's Plane Trigonometry (Ginn)	Jan. 6, 1914	C., L.
Moore & Miner's Practical Business Arithmetic (Ginn)	Oct. 1, 1909	C.
Crockett's Elements of Plane and Spherical Trigonometry (American Book Co.)	Oct. 1, 1909	H., M.

Title of Text and Publisher	Date of Adoption	Schools Using
Hale's Practical Applied Mathematics (McGraw, Hill Book Co.)	Jan. 25, 1916	H.
Granville's Plane Trigonometry and Tables (Ginn)	Aug. 30, 1911	P.
Breckenridge, Mersereau & Moore's Shop Problems in Mathematics (Ginn)	Jan. 3, 1912	P.
HISTORY.		
West's Ancient World (revised) (Allyn & Bacon)	Jan. 6, 1914	G., C., M., L.
Harding's Essentials in Medieval and Modern History (Amer. Book Co.)	Jan. 6, 1914	G., C., L., M.
Cheyney's Short History of England (Ginn)	Oct. 1, 1909	G., M.
Muzzey's American History (Ginn)	Jan. 6, 1914	G., H., M.
Forman's Advanced Civics (revised) (Century Co.)	Jan. 6, 1914	G., C., M.
Bullock's Elements of Economics (Silver, Burdette Co.)	Aug. 30, 1911	G., C., L., M.
Reinach's Apollo (Scribner)	Aug. 30, 1911	G., L.
Andrew's Short History of England (Allyn & Bacon)	Aug. 6, 1914	C., L.
Sutton's Civil Government in California (American Book Co.)	Aug. 6, 1914	C., L.
Ely & Wicker's Elementary Principles of Economics (MacMillan)	Aug. 30, 1911	C.
Channing's Students History of the U. S. (MacMillan)	Oct. 1, 1909	C.
Myer's Medieval and Modern History (Ginn)	Oct. 1, 1909	H.
Ashley's American Government (MacMillan)	Aug. 30, 1911	H.
Davis' Readings in Ancient History (Allyn & Bacon)	Dec. 30, 1915	L.
Cheyney's Industrial and Social History of England (MacMillan)	Aug. 6, 1914	L.
Ogg's Social Progress of Contemporary Europe (MacMillan)	Dec. 30, 1915	L.
West's American History and Government (Allyn & Bacon)	Aug. 6, 1914	L., P.
SCIENCE.		
Snell's Elementary Household Chemistry (MacMillan)	Aug. 6, 1914	G., P.
Le Conte's Compendium of Geology (Appleton)	Aug. 30, 1911	G.
Young's Lessons in Astronomy (Ginn)	Oct. 1, 1909	G.

Title of Text and Publisher	Date of Adoption	Schools Using
Hunter's Elements of Biology (American Book Co.)	Jan. 5, 1915	G., M. first time Oct. 1909
Brownlee, Fuller, Hancock's First Principles of Chemistry (Allyn & Bacon)	Oct. 1, 1909	C., H., M., L., P.
Brownlee and Others Chemistry Manual (Allyn & Bacon)	Oct. 1, 1909	C., M., L., P.
Dryer's High School Physical Geography (American Book Co.)	Jan. 6, 1914	M.
Linville & Kelly's Text-book in General Zoology (Ginn)	July 23, 1910	L.
Andrew's Practical Course in Botany (American Book Co.)	Jan. 6, 1914	L.
Arey, Bryant, Clendenin & Morrey's Physiography (Heath)	July 2, 1913	L.
Snyder's First Year Science (Allyn & Bacon)	Aug. 5, 1915	P.
HOUSEHOLD ART.		
Kinne & Cooley's Shelter and Clothing (MacMillan)		G.
COMMERCIAL.		
Williams & Rogers Modern Illustrative Bookkeeping (American Book Co.)	Oct. 30, 1911	C., H., M.
Williams & Rogers Illustrated Banking (American Book Co.)	Oct. 30, 1911	C.
Belding's Correspondence (American Book Co.)	Oct. 30, 1911	C.
Gallagher-Marsh Shorthand Text-book (new edition)	Aug. 2, 1911	C., H., M.
Huffcut's Elements of Business Law (Ginn)	Oct. 1, 1909	C.
Nichols & Rogers Commercial Law		H.
Cutler & SoRelle Rational Typewriting		M.
TECHNICAL.		
Bowditch American Practical Navigator (U. S. Hydrographic Office)		H.

APPENDIX TO "TEXT-BOOKS IN USE IN THE SAN FRANCISCO HIGH SCHOOLS".

The following list includes books adopted by the Board of Education since the close of the school year 1915-1916:

Title of Text and Publisher	Date of Adoption	Schools Using
Ashmun's Modern Prose & Poetry (Houghton, Mifflin Co.)	July 26, 1916	G.
Brewer's Oral English (Ginn & Co.)	"	C., L.
Hotchkiss & Drew's Business English (American Book Co.)	"	C.
Kutner's Commercial German (American Book Co.)	"	C.
Smith's Latin Lessons (Allyn & Bacon)	"	G., L., M.
Baker & Inglis High School Course in Latin Composition (Macmillan Co.)	"	G., L., M., P.
Espinosa & Allen's Elementary Spanish Grammar (American Book Co.)	"	C., L., M., P.
Roessler & Remy's First Spanish Reader (American Book Co.)	"	C., L., M., P.
Betz & Webb's Solid Geometry	"	C., L., M., P.
Gleason's A Greek Primer (American Book Co.)	"	L.
Moore's Industrial History of the United States (Macmillan Co.)	"	P.
Black & Davis' Practical Physics (Macmillan Co.)	"	All
Black's Laboratory Manual in Physics (Macmillan Co.)	"	All
Lallier's Elementary Manual of the Steam Engine (Van Nostrand)	"	P.
Bennett's Bookkeeping and Business Practice (American Book Co.)	"	C.
Robinson-Breasted's Outlines of European History Part I (Ginn & Co.)	Aug. 15, 1916	P.
Robinson-Beard's Outlines of European History, Part II (Ginn & Co.)	"	L., P.
Conn & Buddington's Advanced Physiology and Hygiene (Silver-Burdett Co.)	"	G., L.
Gowin & Wheatley's Occupations (Ginn & Co.)	"	P.

Report of Juvenile Detention Home

San Francisco, California, October 2, 1916.

Hon. James Rolph, Jr.,

Mayor City and County San Francisco,
City Hall, City.

Sir:—In accordance with the provisions of the Charter of the City and County of San Francisco, I desire to submit herewith report of the Juvenile Detention Home for the fiscal year ending June 30, 1916, advising that this report has been submitted to and received the approval of the Probation Committee of the Juvenile Court.

I also submit herewith report for the year ending December 31, 1915, required by statute in which is set forth in complete detail the activities of the Court and Detention Home for said period.

Respectfully submitted,

J. C. ASTRADO,
Probation Officer.

REPORT OF JUVENILE DETENTION HOME FISCAL YEAR 1915-16.

Appropriation:	
General appropriation	$17,660.00
Rent	3,300.00
Total	$20,960.00
Expenditures:	
General expenditures (salaries and maintenance)	$17,578.08
Rent	3,300.00
Total	$20,878.08
Unexpended in Maintenance Fund	$ 33.75
Unexpended in Salary Account	48.17
Total unexpended	$ 81.92

CHILDREN BROUGHT TO DETENTION HOME.

	Boys	Girls	Totals
1915—July	77	47	124
August	58	43	101
September	68	46	114
October	97	31	128
November	66	36	102
December	78	38	116
1916—January	80	40	120
February	85	59	144
March	86	38	124
April	78	31	109
May	74	47	121
June	64	43	107
	911	499	1,410

MEALS—TOTAL NUMBER MEALS SERVED DURING THE YEAR.

		Brought forward	25,383
1915—July	4,438	1916—Jenuary	4,114
August	4,452	February	3,989
September	4,489	March	5,084
October	4,833	April	4,331
November	4,052	May	5,166
December	3,119	June	4,437
Forward	25,383	Total	52,504

Meals served to children	41,733
Meals served to attendants, physicians and visitors	10,771
Total	52,504

DAILY AVERAGE OF MEALS SERVED.

1915—July	47.72	1916—January	47.57
August	47.91	February	48.03
September	49.88	March	54.67
October	51.97	April	48.12
November	48.35	May	55.57
December	33.54	June	49.26

Daily average for the year, 48.55.

COSTS.

Cost of food for 12 months	$ 5,167.23
Cost of maintenance, including rent	15,710.85
	$20,878.08

RECAPITULATION.

Meat	$ 1,288.12	Furniture	568.06
Fish	121.50	Bed Linen	160.44
Poultry	111.67	Clothing	182.77
Eggs	327.91	Fuel (coal)	247.05
Milk	447.21	Hardware	247.46
Cream	110.40	Fuel (gas)	647.27
Butter	273.14	Scavenger	30.00
Vegetables	323.70	Dry Goods and Notions	104.70
Fresh Fruit	394.49	Towels	44.92
Dried Fruit	50.95	Janitor Supplies	22.84
Potatoes	165.52	Ice	73.90
Bread	532.22	Sewing Machine	27.50
Flour	50.12	Kerosine Oil	9.00
Mill Stuff	42.37	Fire Extinguisher	28.00
Coffee and Tea	103.30	Repairing Yard	11.00
Sugar	274.44	White Washing	24.00
Lard	7.58	Lavatory Supplies	14.70
Canned Goods	281.67	Repairing Ruud Heater	4.80
Groceries	179.19	Repairing Laundry Machinery	10.65
Cheese	50.12	Rubber Stamps	1.35
Miscellaneous	31.61	Distilled Water	2.50
Salaries	8,411.83	Dials for Night Clocks	4.00
Emergency Salaries	164.55	Hauling Carpet from City Hall	5.00
Laundress	480.00	Room Rent for Night Nurse	5.00
Soap	77.45	Incidental Expenses, 12 mos.	132.65
Laundry Supplies	38.92	Filing Cases	42.25
Drugs	276.79	Rent	3,300.00
Surgical Instruments	140.80		
Clinic Supplies	168.71	Total	$20,878.08

DETENTION HOME EMPLOYEES.

1 Superintendent
1 Assistant Superintendent
1 Night Watchman
1 Matron
1 Night Nurse
4 Nurses
1 Cook
1 Laundress

1915-1916.

Average cost per meal	.0984
Average cost per capital for meals per day	.2952
Maintenance per capita per day	$1.178

1914-1915.

Average cost per meal	.0938
Average cost per capita for meals per day	.2814
Maintenance per capita per day	$1.0281

The increased cost of maintenance for this present year over that of the previous year is explained, first, by the employment of one additional nurse at a salary of $600.00 per year, second, by the increased cost of food and, third, by

the purchase of the furnishings for the new Detention Home building which we expect to occupy by the 15th of November, 1916.

For further and complete detail of the court's work, reference is respectfully made to the other section of this report.

SAN FRANCISCO JUVENILE COURT.

REPORT OF PROBATION OFFICER FOR THE YEAR 1915.

During the year 1915, 833 children were brought to the attention of this court either because of the inability of their parents to properly care for them, this through poverty, intemperance, immorality or other cause, or by reason of the death of one or both parents and the lack of proper guardian and means of support.

The following table shows the number of children brought before the court for such causes:

	Children
Cruelty of parents	41
Neglect of parents	195
Destitution of parents	171
Drink on the part of parents	150
Depravity of parents	80
Desertion of parents	140
Death of parents	56
(Forward)	833

668 boys and 273 girls came before the court during the year because of certain delinquent acts committed by them through the violation of City Ordinances or the penal code, or because of immorality and other causes.

The number of children brought before the court for such causes is shown by the following table:

	Boys	Girls	Children	Totals
Assault	40			
Burglary	81	1		
Larceny	159	5		
Gang Activity	22			
Incorrigibility	69	83		
Vagrancy	33			
Mischief	57			
Violation City Ordinance	91			
Sex Immorality	20	140		
Other Causes	96	44		
Totals	668	273	(forward) 833	1,774

A third group is made up of those who, previously before the court, again appeared because of the need of admonishing either the parents or the children themselves for their lack of progress.

This group comprises:

Boys	121
Girls	29
Children	518
Total	668

SUMMARY.

	Children
Before Court because of cruelty or neglect	833
Before Court because of offenses committed	941
Before Court because of Probation Officer's Reports	668
Total	2,442
In addition to the above the Probation Officer reported on continued matters involving	824
Total	3,266

In the above court orders were made as follows:

Dismissed	335	Released from Probation	158
Off Calendar	616	Released from Agencies	176
Adoption	32	Released from Institutions	157
Care Probation Officer	304	Transferred to other county	10
Care Agencies	274	Other Court Orders	50
Care Institutions	254	Cont'd, orders vacated and changed	861
Commitments Stayed	5		
Placed Care Individuals	34	Total	3,266

SUMMARY OF COURT ORDERS DIRECTING COUNTY PAYMENT.

	Boys	Girls	Children	Amounts
On January 1, 1915.				
Care Agencies			833	$ 81,952.34
Care Institutions	92	41	454	69,220.63
	92	41	1,284	$151,172.97
On January 1, 1916.				
Care Agencies			859	$ 99,466.93
Care Institutions	134	35	436	78,440.61
	134	35	1,295	$177,907.54

The above figures do not include those children actually under commitment to the agencies and institutions for legal control only and for whom no demand against the County Treasury is made.

BOY DEPARTMENT.

The work of this department is handled by the Chief Assistant Probation Officer, in charge, and four assistants, three men and one woman.

This department in addition to making investigations and writing the cases for presentation to the court of the 668 boys brought before the court during the year and reporting on the 121 boys brought before the court for further instruction, cared for approximately 295 boys on probation.

The following table is a summary of the results of probation for boys in this department during the year:

	Boys	
On probation January 1, 1915	235	
Placed on probation during year	60	
		295

Released from probation during year:		
For good progress	49	
On reaching majority	42	
Committed to institutions for failure	22	
In abeyance account progress	18	
Whereabouts unknown	45	
On active probation Jan. 1, 1916	119	
		295

Progress on Probation.		
Making excellent progress	30	
Making satisfactory progress	83	
Making unsatisfactory progress	24	
Whereabouts unknown	45	
		182
On unofficial probation but receiving care		25
		207
Approximate earnings of probationers		$30,917.00

42 boys in this department are school boys, a woman probation officer being responsible for their reports, obtaining the same from both the school and the home and not requiring the boys to report at the office.

Of the school boys, exceptional progress is being made by	7
Satisfactory progress	27
Unsatisfactory progress	8
Missing	2
	42

In addition to the above, this officer reports on 20 additional boys who are on unofficial probation.

GIRL DEPARTMENT.

The work of this department is handled by four women assistant probation officers, the work being assigned as follows: One officer assigned to office duty, interviewing all new girls brought before the court as well as their parents and relatives or others interested in them and preparing the cases for presentation to the Judge.

Another officer is in charge of the employment work, securing positions for the girls and caring for an average of 70 girls on probation.

A third officer presents the cases to the Judge, has general supervision of the department and cares for an average of 70 girls on probation.

The fourth officer in this department specializes on field work, visiting homes and reporting thereon and also caring for an average of 70 probationers.

PROBATION DATA.

On probation January 1, 1915	216
On probation January 1, 1916	207
Placed on probation during the year	85
Released from probation during the year	75
Probationers committed to institutions	19

PROGRESS ON PROBATION.

Making satisfactory progress	158
Making unsatisfactory progress	20
Making doubtful progress	29
	207

Average number per month missing..... 20
Average number per month in Detention Home for medical care, home-placment or further order..... 5

EMPLOYMENT DATA.

Average number employed at housework..... 53
Average number employed at trades, in stores, factories, etc..... 60
Average number unemployed during year..... 40
Average number of school girls..... 11
Average number of school girls employed and earning their way..... 10

SALARIES.

Girls employed at housework receive from $10 to $25 per month, an average wage of $16.10.

School girls, who earn their own way, going to day school receive from $3 to $10 per month, with room and board, according to their age and ability.

Girls employed in stores, factories, Telephone Co., etc., receive from $20 to $50 per month, an average wage of $32.35. Many of these girls so employed are obliged to pay their board and all expenses from their earnings.

During the past year, because of opportunities offered by the Exposition, a higher average of our girls was employed than during normal conditions and the average rate of wage has been correspondingly higher.

For those girls who have no home of their own, effort is made to secure a good boarding home, either in a private family where the landlady will assume responsibility, or in a girl's club where supervision is exercised over her.

For the girl of sub-normal intelligence, however, it has been found that positions at housework offer the best protection to the girl. Even for the girl of normal intelligence who has had no training along any special line of work, this type of employment offers the greatest advantage to the girl, in that the women who take our girls into their homes are high-typed women who give the girl valuable training in household matters, which fits her to better care for her own home when she marries, which the majority of the girls do before they reach the age of 21. Many of the girls who have come from untidy, shiftless homes, are thus trained to be neat, capable homekeepers.

DOMESTIC RELATIONS DEPARTMENT.

This department is active along two separate channels: (a) reporting twice a year on the status of children committed to the care of institutions and agencies and making recommendations for the release or continuance of the children in said care, and in investigating applications for aid, and (b) the probation work of the department which calls for visits to the homes of children placed in the care of the court or under the supervision of the Probation Officer and in securing for these homes the helpful co-operation of the neighborhood social agencies, that is the church, school, neighborhood social centers, etc.

PROBATION DATA.

Children brought to the attention of this department during the year..... 833
Families on probation January 1, 1915..... 125
Involving .....341 children
Families placed on probation during 1915..... 71
Involving .....159 children
Making a total of families 196
Involving .....500 children

Of the above number, 20 children were committed to institutions because of the failure of the family on probation to make good. 36 are making such excellent progress that the cases have been placed in abeyance.

PROGRESS ON PROBATION.

Making satisfactory progress	59	
Making excellent progress	36	
Making unsatisfactory progress	29	
		124
Released from probation during the year		57
Whereabouts unknown		15
		196
Active probationers, January 1, 1916		124

ADULT DEPARTMENT.

This department, caring for some 600 probationers is in charge of an Assistant Probation Officer with two deputy probation officers and an office assistant and stenographer. One of the deputies is a woman who cares for the women probationers and visits the homes of men on probation who are married and living in this City.

PROBATION DATA.

Number of probationers January 1, 1915	621	
Placed on probation by Superior Courts	274	
Placed on probation by Police Courts	378	
		1237
Number sent to prison on account failure	13	
Number sent to County Jail on account failure	8	
Number sent to Reform School on account failure	1	
Number released by court order	720	
		742
Number reporting Jan. 1, 1916		531
Wages earned by probationers during 1915		$285,199.00
Money collected during 1915 for care children		17,480.00
Merchants reimbursed for losses in sum of		4,205.33
Number of arrested men and women sent to State Hospital for cure of drug and drink habit		60

POLICE COMPLAINTS.

Prior to 1913, the practice of the Police Department had been to arrest all minors who committed offenses against the law and to make entry in the police record of such arrests.

In November, 1913, however, Chief of Police White issued a general order directing that children committing minor offenses and where there is no real intent to violate the law, are to be brought to the attention of the Probation Officer without arrest and without police record made of the matter.

Officers are directed to take the children to their several homes and to notify the parents when to appear before the Probation Officer. Written report covering the detail of the complaint is forwarded through the office of the Chief of Police to the Probation Officer, who, on seeing the parents and children advises them of the law and of the desire of the police to enforce the same through their co-operation and disposes of the matter, unless, upon investigation, a condition develops which warrants the matter being called to the attention of the Judge.

Truancy matters which formerly appeared on the regular court calendar are now almost entirely handled in this manner.

The following is the record in the matter of Police Complaints for the year 1915:

Dismissed on first hearing	406
Continued for investigation, doctor's examination, or helpful suggestion prior to dismissal	127
On calendar for court hearing	20
Still pending	6
Failure to appear	9
Total	568

Of these the boys numbered 532 and girls 36.

DETENTION DATA.

The employees of the Detention Home are a superintendent (male) with an assistant superintendent and night-watchman, a matron, night matron and four nurses, the matron and night matron also being graduate nurses.

During the year there were brought to the Detention Home:

Boys	957
Girls	467
Totals	1,424

The daily average number of children in the Detention Home was.....51.33
The average stay of each boy during this period—days..... 4.6
The average stay of each girl during this period—days.....18.67

The reason for the greatly increased period of time in the Detention Home for the girls over that of the boys is that a large number of girls come to the Detention Home is found to be suffering from specific infection and such cases remain under treatment in the Detention Home clinic until a clean bill of health is had.

The work of the clinic is under the direction of the University of California medical school, the physicians giving their services being Drs. Watters, Gerdine, Lamerie, Black, Bernard, Bigelow and Bridgman, psychologists.

Dr. Watters specializes with the girl cases and Dr. Gerdine with the boys. Drs. Black and Barnard, specialists for eye, ear, nose and throat, perform operations for adenoids and tonsils and care for such other matters as are in their line.

Dr. Lamorie examines those girls who have been assaulted by men and are held to appear as witnesses in the criminal courts and testifies in such cases.

The Medical report in detail for the Detention Home clinic for the year 1915 is as follows:

CASES TREATED AND DIAGNOSES MADE.

Infectious Diseases—	
Suspected pulmonary tuberculosis	36
Advanced pulmonary tuberculosis	1
Tonsilitis	16
Otitis media	7
Neisserian infections:	
Cervicitis, vaginitis and urethritis	22
Pyosalpinx	5
Bartholinian gland abscess	4
Lues:	
Acquired	7
Congenital	8
Acute rheumatic fever	2

Appendicitis:	
Chronic	5
Subacute	1
Erysipelas	1
Pneumonia (lobar)	1
Peritonitis	1
Bronchitis	7
Bronchiectasis	1
Conjunctivitis	8
Blepharitis marginalis	2
Lymphadenitis	18
Nervous Diseases:	
Hemiplegia (old)	1
Bell's palsy (old)	1
Epilepsy	2
Poliomyrliyid (old)	2
Surgical Conditions:	
Hernia, right inguinal	2
Hemorrhoids	1
Cervical rib	1
Ischio-rectal abscess	1
Gun shot wound	1
Sprained thumb	1
Congenital dislocation of hip	1
Sprained ankle	1
Pes planus	6
Cleft palate and hare lip	2
Scoliosis	11
Functional scoliosis	5
Phimosis	12
Hypertrophied tonsils	122
Hypertrophied thyroids	41
Metabolic Disturbances:	
Obesity	12
Rachitis	11
Graves' Disease	3
Thyroid insufficienct	4
Skin Diseases:	
Seborrhoea	93
Pediculosis:	
Capitis	50
Pubis	4
Scabies	22
Acne vulgaris	37
Impetigo contagiosa	7
Furunculosis	3
Eczema	2
Tinea tonsurans	2
Tinea tricophyton	1
Ichthyosia	1
Pityriasis rosea	1
Psoriasis	1

Cardiac Disturbances:

Mitral insufficiency	4
Mitral stenosis	2
Haemic murmurs	8

In addition to the items mentioned in the above tables, it is of interest to note that 189 children had curious teeth; 26 were known to be masturbaters. Ten of the girls brought for medical examination were pregnant.

Wasserman tests made	58
Negative	46
Positive	9
Doubtful	1

Surgical operations performed in the Detention Home:

Tonsillectomy	36
Circumcision	3
Curettage	1

There were 377 complete physical examinations made, exclusive of those cases coming into the Detention Home for re-examinations.

REPORT OF PSYCHOLOGIST.

During the year 238 children were examined by the psychologist, Dr. Olga Bridgman, the following table showing the results of the examinations:

Classification:	Boys	Girls	Total
Above normal	2	1	3
Normal	45	38	83
Dull-normal	11	26	37
Backward	30	20	50
Defective (borderline)	4	13	17
Feebleminded	20	18	38
Moron	5	3	8
Imbecile	1		1
Insane	1		1
Totals	119	119	238

The foregoing report is presented to demonstrate the constructive policy of the court as indicated by Judge Murasky which is to avoid, whenever possible, placing children in institutional care.

The foregoing figures show that in spite of the natural increase in the population of the City during the Exposition year, the number of minors placed in the State Reform Schools and other disciplinary institutions is comparatively small and shows little increase over that of the preceeding year.

To illustrate: The following table shows the number under commitment to those institutions caring for delinquent boys and girls on January 1, 1915, and on January 1, 1916:

	1915	1916
Preston School of Industry	43 boys	52 boys
Whittier State School	3 "	2 "
Boys and Girls Aid Society	65 "	80 "
California School for Girls	13 girls	9 girls
California Girls Training Home	14 "	9 "
St. Catherine's Training Home	15 "	14 "

Special effort has been made to make probation more effective in all departments and the small number of children committed to institutions for failure to carry out the court's instructions appears to indicate that said effort has met with success.

In the Domestic Relations department more children are now in the care of the Probation Officer than ever before with a resulting decrease of committed children to custodial care.

The legal matters of the court, since the beginning of the fiscal year, in July, have been handled by a Legal adviser to the Probation office. This man, a practicing attorney, directs the preparation of all petitions, commitments and other legal papers.

In addition to the above all matters requiring legal advice are submitted to him and special suits to recover money due the City and County have been instituted and carried out by him, judgment in one case being obtained for $3,000.00.

Special effort has been made to make probation more effective in all departments and the small number of children committed to institutions for failure to carry out the Court's instructions appears to indicate that said effort has met with success.

In the Domestic Relations department more children are now in the care of the Probation Officer than ever before with a resultant decrease of children committed to custodial care.

The legal matters of the court, since the beginning of the fiscal year, in July, have been handled by a Legal Adviser to the Probation Officer. This man, a practicing attorney, directs the preparation of all petitions, commitments and other legal papers and in addition handles all matters requiring legal advice. Special suits to recover money due the City and County have been instituted and carried out by him, judgment in one case being obtained for $4,466.75

HOUSING OF JUVENILE COURT, DETENTION HOME AND OFFICES.

Prior to the fire of 1906, no effort to house the Juvenile Court in a building of its own was made, but immediately following the disaster, a temporary, one-story, wooden building was erected at 10th and Harrison Streets.

The work of the court, however, soon outgrew this building and in the spring of 1911, the court, probation offices and Detention Home were moved to a good-sized building at 2344 Sutter Street, which had since the fire been used as the temporary housing of the St. Mary's Hospital.

This building, while providing much more amply for the work of the court, is in no way suited to the real needs of the work and the Probation Committee began almost immediately considering various plans for the erection of a permanent building. It was not, however, until 1915, that a plan was submitted that appeared to meet all the needs and afford proper opportunity for the care, protection and segregation of the children.

Appropriation in the sum of $161,381.00 was made by the Board of Supervisors in the budget of 1915-16 for the erection of a steel-frame, fireproof, concrete building, class A throughout. The lot on which this building is being erected was donated for the purpose by the Board of Education.

This building which will be ready for occupancy the latter part of the year, 1916, is a steel frame, fireproof, concrete building, class A throughout and comprises nine floors and basement. A multitude of windows offers opportunity for sun, light and air, not possible in a building of a lower type. There are also four play yards, each 30 x 80 feet.

The general plan of the building is as follows:

On the first floor is located the court room, Judge's Chambers, offices of the probation officer and his associates, excepting for those women officers

assigned to work among wayward girls, these offices being on the second floor. The second floor will also lodge the employees of the Detention Home.

On the third floor is the nursery where children under the age of six will be cared for. The special feature of this floor is the large sun porch extending the whole length of the building.

The fourth and fifth floors will house the boys and the sixth and seventh, the girls. These four floors are identical as to the arrangement and size of the sleeping rooms, fifteen in number, school room and service room.

Each of these floors is in reality a cottage by itself and can be completely shut off from any other part of the building. Each room on these as well as on all other floors, is an outside room and special plans have been perfected whereby hall partitions will permit the segregation of children even on the same floor, so that they may be divided into groups of two, three, or more.

The medical department will occupy the 8th floor which includes a clinic, examining room, operating rooms and rooms for the examination of ear, eye, nose and throat troubles, dental rooms and a room for the psychological department.

The ninth floor has been dedicated to the kitchen, laundry and employment rooms for the girls.

The basement area will contain, besides store room and boiler room, a work shop, rainy-day plan space and a gymnasium.

In each end of the building is a fire-proof elevator shaft containing, in addition to the elevator itself, a spiral stairway and there are fire escapes on the outside of the building as well.

The building is located on Otis Street (West Mission), not far distant from the City Hall and other Municipal buildings and accessible to all parts of the City through the car lines. The building is now about 60% completed.

Report of Park Commissioners

Pursuant to Section 9, Article 15 of the Charter of the City and County of San Francisco the Park Commissioners herewith present their report for the fiscal year ending June 30, 1916.

BOARD OF PARK COMMISSIONERS.

By W. H. METSON, President.

By JAMES DE SUCCA, Secretary.

RECEIPTS.

Balance brought forward from 1915	$ 1,413.26	
Taxes	377,185.86	
Alice Skae legacy for Museum	10,000.00	
		$388,599.12
Sundry Revenues—		
Childrens' Quarters receipts	$ 33,065.05	
Beach Chalet	2,623.65	
Downtown Assn. for care of Market Street baskets	671.95	
Construction of walks, Academy of Science Building	600.00	
Rent of Japanese Tea Garden	550.00	
Construction of lawn, Richmond Library	500.00	
Sale of catalogues, Museum	405.60	
Rent of Boat House	300.00	
Sale of horses	244.55	
Spring Valley Water Co.—for hauling rock to 19th Avenue	227.25	
Expenses shipping buffaloes	150.00	
Returned empty cement sacks	137.60	
Refund from Spring Valley Water Co	123.29	
Sale of wool	134.12	
United Railroad right of way	100.00	
J. D. Hanna, digging ditch, Great Highway	80.00	
Sale of sheep	73.00	
Sale of iron fence	50.00	
Sale of index cards to Academy of Science	9.25	
Receipts from coin locks, lavatories	8.30	
Sundries	12.35	
		$ 40,065.96
Total		$428,665.08

DISBURSEMENTS.

Golden Gate Park—		
Construction account	$ 46,047.74	
Maintenance account	200,167.75	
		$246,215.49
Small Parks and Squares—		
Construction account	24,899.88	
Maintenance account	81,737.55	
		106,637.43
Presidio Parkway—		
Construction	2,112.25	
Maintenance	5,185.28	
		7,297.53
Great Highway—		
Construction of tunnel through Upper Drive	2,402.60	
Cliff wall	291.00	
Sea wall	63.00	
Electric power	37.45	
Sewer	20.00	
Maintaining Great Highway	7,495.98	
Maintaining Convenience Station, Great Highway	1,256.22	
		11,566.25

Museum—

Labor	12,813.65	
Painters	550.25	
Paintings—Alice Skae Fund	9,944.50	
General expense—Curator's Fund	511.22	
Electricity	446.24	
Paints and oils, lights	385.66	
Drayage	192.75	
Coal	134.81	
Bunting—muslin, silk, velveteen	113.86	
Brooms, mops, dust pans, etc.	84.18	
Electric lamp and fittings	79.50	
Hardware	74.02	
Printing invitations, Anniversary Day	65.75	
Lumber	61.50	
Supplies	57.95	
Flags	55.00	
Cleaning fluids, polish	53.20	
Stationery	51.99	
Repairs to electric stoves and heaters	25.00	
Printing supplies	23.30	
Insurance on Spooner paintings	22.50	
Water	19.80	
Plumbing supplies	8.57	
Garbage cans	1.90	
		25,777.10
Music, sheet music and programs	11,090.88	
		11,090.88

Administrative—

Salaries—Superintendent, Clerk, Secretary, Accountant, Stenographer	11,460.00	
Chauffeur	1,500.00	
Surveyor and draughtsman	2,255.35	
Plumber	1,075.40	
Record books, printing demands and foremen's reports, typewriting supplies, stationery, postage and general expense	497.05	
		16,787.80

Miscellaneous—

Automobile supplies and fittings	1,099.89	
General expense, freight and express	721.06	
Water, Fountains	112.55	
Surveying, repairing instruments and supplies, draughting materials	48.50	
Advertising for bids	25.18	
Press clippings	22.50	
Sundries	11.00	
		2,040.68
Balance forwarded to next fiscal year 1916-1917	1,251.92	
		1,251.92
Total		$428,665.08

CONSTRUCTION ACCOUNT.

Structures—		
Bowling Green Club House and Lavatory (contd.)	3,591.85	
Elk Paddock Fence	773.12	
Japanese Temple and Gateway	671.45	
Balustrades—Tunnel	484.50	
Wire fencing	411.66	
Concrete gate posts	276.02	
Cement	267.75	
Foundation for statue	215.11	
Benches	152.90	
Platforms	78.00	
Fences, crates, labor, lumber, hardware	537.98	
		$ 7,460.34
Water Works—		
Sump—Water Works	3,944.01	
Water pipe extension	1,191.60	
		5,135.61
Roads and Walks—		
Walk—South Drive	2,478.50	
Rhododendron Dell walk	1,835.05	
Drive 25th Ave. and Lincoln Way	1,614.81	
Walks	1,031.23	
Academy of Science—drives and walks (incomplete)	306.50	
		7,266.09
Grounds—		
Labor, loam and fertilizer, clay, seed	23,279.65	
		23,279.65
Drains—		
Labor and pipe	$ 302.02	
		302.02
Stock and Implements—		
Auto hand lawn mower	350.00	
		350.00
Stadium—		
Cricket pitch	19.25	
		19.25
Forestry—		
Labor	2,150.90	
		2,150.90
Small Works—		
Rockwork	83.88	
		83.88
Total		$ 46,047.74

MAINTENANCE ACCOUNT.

Structures—	
Labor	$ 4,692.84
Lavatories—labor, lumber, hardware and supplies	2,445.18
Paints and oils	819.33
Lily drinking fountains	127.50
Lumber	95.50

Structures—Continued.		
Hardware	87.03	
Brooms, brushes, mops	55.00	
Wall paper and lining	19.16	
Roofing	13.68	
Wire netting	8.81	
Sundries	22.07	
Lodge:		
Coal—electric light	225.81	
Fences:		
Acid—lumber	229.50	
Boats:		
Paints and oils	62.02	
Backstop:		
Lumber—Netting	78.40	
Benches:		
Hardware, etc.	60.30	
Gjoa:		
Flag—paints	8.65	
		$ 9,050.78
Tennis Courts and Club House—		
Labor	1,623.00	
Nets—fittings, etc.	111.58	
		1,734.58
Water Works—		
Labor	9,286.00	
Electric power	560.29	
Fuel oil	491.80	
Brass pump valves	435.00	
Machine fittings	313.17	
Water pipe and fittings	281.74	
Boiler compound	217.00	
Machine oil	167.28	
Packing—rags	143.18	
Coal oil	83.60	
Fire brick	45.00	
Repairs to engine	44.50	
Electric fittings	23.90	
Cement	18.00	
Hardware	15.82	
Supplies	13.30	
Electric light—cottage	10.54	
Sundries	10.55	
Windmills:		
Machine fittings	309.75	
Lumber	16.00	
Rope—waste	5.66	
		12,492.08
Roads and Walks—		
Labor	11,120.70	
Oil	2,454.93	
Screenings	301.90	
Road dressing	37.08	
Sundries	27.15	
		13,941.76

Grounds—		
Labor	68,226.15	
Sulphate of copper—alum, ammonia, blue stone for lakes	983.91	
Hose	928.00	
Seed	332.62	
Bulbs	231.70	
Plants	227.50	
Iron garbage cans	132.00	
Decorative grass sod	100.00	
Irrigator	49.60	
Redwood stakes	39.00	
Soot	37.50	
Lime	24.00	
Hardware	24.65	
Fertilizer	20.00	
Twine	13.60	
Cartridges	14.51	
Labels	6.30	
Sundries	7.61	
		71,398.65
Conservatory—		
Labor	5,983.00	
Fuel oil	390.57	
Plants	296.84	
Repairs to boiler	180.85	
Electric light	135.81	
Insecticide	100.20	
Orchid moss	87.50	
Flower pots	71.50	
Lumber	39.80	
Moss	27.50	
Electric fittings	11.06	
Rubber hose	9.00	
Fire brick	8.00	
Lime	3.00	
Hardware	2.05	
Paints and oils	2.13	
Alcohol	1.33	
Sundries	4.95	
		7,355.09
Nursery—		
Labor	12,031.05	
Plants	723.26	
Seed	462.40	
Manure	441.50	
Drayage on plants	187.50	
Paints and oils and lights	47.54	
Shingles	40.85	
Fertilizer	45.21	
Hardware	24.91	
Peat loam	25.00	
Rope yarn	19.50	
Rubber hose	10.00	
Labels	6.10	

Nursery—Continued.		
Lime	5.81	
Stationery	2.25	
		14,072.88
Rolling Stock and Implements—		
Labor	3,644.75	
Smithshop	1,170.38	
Tools	580.58	
Harness and repairs	303.15	
Rolling stock	300.00	
Lawn mowers and fittings	236.79	
Road grader	100.00	
Auto truck—gasoline, tires, repairs and fittings	1,397.72	
Auto mower—gasoline, oils, repairs and fittings	231.39	
Hand mower—gasoline and fittings	47.73	
		8,012.49
Stables—		
Labor	2,652.00	
Feed and hay	5,715.79	
Clipping horses	143.50	
Millwork	17.50	
Brushes, curry-combs	15.05	
Supplies	12.70	
Veterinary services	11.75	
Oil	4.00	
Drugs	3.79	
Coal oil	1.85	
Electric light	1.72	
Sundries	4.99	
		8,584.64
Children's Quarters—		
Labor	10,021.60	
Supplies	12,234.69	
General expense and extra help, Superintendent's Fund	2,224.32	
Feed and hay	1,000.00	
Gas and electric light	421.47	
Laundry	284.29	
Paper napkins	189.22	
Crockery—kitchen utensils	182.38	
Electric fixtures and fittings	198.58	
Printing tickets—candy bags, menu cards, etc.	151.85	
Gas range and toaster	157.50	
Water	99.72	
Hardware	91.88	
Harness and repairs	89.75	
Carpets, linoleum, drapes, etc.	84.66	
Linen	63.18	
Cash register	40.38	
Donkeys	40.00	
Music—circus day	44.00	
Uniforms	30.50	
Printing postcards	30.00	
Fire extinguishers	28.00	
Renovating carpets, mattresses and curtains	29.20	
Brushes, brooms and mops	29.42	

Children's Quarters—Continued.		
Lavatory Supplies	21.00	
Swings, seesaws and fittings	30.34	
Platform—4th of July exercises	21.00	
Wall paper and lining	16.57	
Hose	8.50	
Veterinary services	6.00	
Stationery	9.65	
Coin wrappers	5.25	
Coal oil	2.90	
Drugs	2.50	
Merry go round—orchestrion, track, wheels, lumber, hardware, electric power	1,005.10	
Free May Day expense	758.04	
		29,653.44
Beach Chalet—		
Labor	900.00	
Supplies	1,636.31	
Gas	69.60	
Crockery—kitchen utensils	56.19	
Laundry	51.53	
		2,713.63
Live Stock—		
Buffalo, elk, deer, bear, birds—labor	5,690.75	
Feed for birds and animals	6,055.29	
Birds—Finches, doves, thrushes, larks, blackbirds, pheasants, linnets, etc.	237.00	
Lumber and hardware, crates	107.74	
Veterinary services	19.50	
Drugs	8.95	
		12,119.23
Forestry—		
Labor, thinning and replanting	3,377.45	
Water pipe	65.45	
Redwood stakes	40.50	
Whale oil soap	25.00	
Tools	9.11	
Spray and hose	14.88	
Entomological supplies	3.50	
Sundries	2.30	
		3,538.19
Stadium—		
Labor	4,093.00	
Manila rope	37.84	
Roofing for sheep shed	26.10	
Rubber Hose	20.00	
Lime	6.00	
Lumber	5.30	
Supplies for sheep	6.75	
		4,194.99
Drains—		
Labor	1,235.90	
Pipe	52.22	
Rubber boots	17.20	
		1,305.32
Total		$200,167.75

SMALL PARKS AND SQUARES.

CONSTRUCTION ACCOUNT.

Labor and Material—

Alta Plaza	$ 562.64	
Alamo	1,093.56	
Buena Vista	841.83	
Balboa	54.00	
Bay View	185.25	
Civic Center	6.00	
Dolores	2,677.76	
Fairmount	42.00	
Girls' High School	3.00	
Huntington	2,129.75	
Lincoln	11,887.29	
Lafayette	75.00	
McKinley	776.28	
Mission	30.00	
Mt. Lake	1,128.88	
Parkside	1,775.34	
Richmond Library Grounds	1,340.47	
Sharp Park	250.83	
Union	40.00	
		$ 24,899.88

MAINTENANCE ACCOUNT.

	Labor	Water	Sundries	
Alta Plaza	$3,610.00	$1,962.84	$ 163.22	$5,736.06
Alamo	3,421.50	2,528.78	47.54	5,997.82
Bernal	721.00	550.00		1,271.00
Balboa	4,126.00		241.21	4,367.21
Buena Vista	2,946.00	604.96	84.48	3,635.44
Columbia	1,413.00	517.00	15.80	1,945.80
Coso	84.00	41.02		125.02
City Hall	285.00	44.00		329.00
Duboce	1,742.75	1,013.10		2,755.85
Dolores	2,009.25	946.72		2,955.97
Franklin	1,232.00	660.00		1,892.00
Fairmount	64.00	19.80		83.80
Garfield	1,274.50	621.50	82.50	1,978.50
General account	592.15		812.00	1,404.15
Holly	2,496.50	637.57	18.09	3,152.16
Home	176.50	38.61		215.11
Jefferson	3,663.25	2,079.00	35.65	5,777.90
Lafayette	3,064.00	1,357.95		4,421.95
Lincoln	7,175.55	247.00	2,194.03	9,616.58
Library Grounds	273.00			273.00
Mission	3,731.75	3,300.00	32.82	7,064.57
Con. st. Mission	480.00	156.70	38.17	674.87
Mt. Lake	32.75			32.75
Portsmouth	1,204.50	269.50	45.00	1,519.00
Parkside	24.00			24.00
Schools	1,379.75			1,379.75
South Park	371.00	165.00		536.00
St. Mary's	891.00	254.04		1,145.04

Maintenance Account—Continued.

Telegraph Hill	65.00			65.00
Union	2,248.00	550.00	5.00	2,803.00
Con. st. Un.	1,137.25	365.00	65.20	1,567.45
Washington	1,503.00	473.00	30.00	2,006.00
Con. st. Wsh.	802.75	332.77	112.02	1,247.54
McKinley	938.50	77.00		1,015.50
Richmond Police Station	3.00			3.00
Market St. Baskets	429.00			429.00
Bay View	513.40			513.40
Civic Center	925.50	389.86		1,315.36
Richmond Library Grounds	462.00			462.00
				$ 81,737.55

APPORTIONED ACCOUNT.

Administrative—		
Construction grounds Golden Gate Park	$ 4,000.00	
Construction grounds Parks and Squares	2,500.00	
Maintenance grounds Golden Gate Park	5,787.80	
Maintenance grounds Parks and Squares	3,000.00	
Maintenance structures	1,000.00	
Maintenance Great Highway	500.00	
		$ 16,787.80
Miscellaneous—		
Construction grounds Golden Gate Park	500.00	
Construction grounds Parks and Squares	500.00	
Maintenance grounds Golden Gate Park	1,000.00	
Maintenance grounds Parks and Squares	40.68	
		2,040.68
Stock and Implements—		
Construction grounds Golden Gate Park	2,012.49	
Construction grounds Parks and Squares	2,000.00	
Maintenance grounds Golden Gate Park	2,350.00	
Maintenance grounds Parks and Squares	650.00	
Maintenance Structures	1,000.00	
		8,012.49
Water Works—		
Construction grounds Golden Gate Park	500.00	
Maintenance grounds Golden Gate Park	11,492.08	
Maintenance Structures	500.00	
		$ 12,492.08
Nursery—		
Construction grounds Golden Gate Park	4,000.00	
Construction grounds Parks and Squares	3,000.00	
Maintenance grounds Golden Gate Park	5,072.88	
Maintenance grounds Parks and Squares	2,000.00	
		14,072.88
Stables—		
Construction grounds Golden Gate Park	1,584.64	
Construction grounds Parks and Squares	1,000.00	
Maintenance grounds Golden Gate Park	1,000.00	
Maintenance grounds Parks and Squares	500.00	
Construction drives Golden Gate Park	500.00	
Construction walks Golden Gate Park	1,000.00	
Maintenance drives Golden Gate Park	3,000.00	
		8,584.64

Report of Widows' Pension Bureau

July 1, 1916.

Hon. James Rolph, Jr.,
Mayor City and County of San Francisco.

Dear Sir:—In compliance with Article XVI, Section 9, of the Charter of the City and County of San Francisco, permit me to submit the following report of the Widows' Pension Bureau for the fiscal year ending June 30, 1916.

Respectfully submitted,

MARGARET C. NESFIELD,
Director Widows' Pension Bureau.

REPORT OF WIDOWS' PENSION BUREAU, SAN FRANCISCO.

For the Fiscal Year Ending June 30, 1916.

OBLIGATION OF STATE TO DEPENDENT CHILDREN.

"If we take in earnest all that we say of the duties and responsibilities of motherhood we shall recognize that the mother of young children is doing better service to the community and one more worthy of pecuniary remuneration, when she stays at home and minds her children than when she goes out charing and leaves them to the chances of the street or to the care of the neighbor. In proportion as we realize the force of these arguments, we reverse our view as to the nature of public assistance in such a case. We no longer consider it advisable to drive the mother out to her charing work nor do we consider her degraded by receiving public money. We cease in fact to regard the public money as a dole; we treat it as a payment for civic service and the condition that we are trying to exact is precisely that she should not endeavor to add to it by earning wages but rather that she should keep her home respectable and bring up her children in health and happiness."

L. T. HOBHOUSE,
Professor Sociology London University.

This thought that the child is the most important asset of the State, the most vital hope for the civilization of the future, and as such entitled to demand not as a charity but as a sacred obligation on the part of the State, the protection and care necessary to make it an intelligent and potent factor in the community of tomorrow, is the actuating principle that has prompted Pension Legislation in the thirty States of the Union that have at the present writing made it possible for the home to be conserved by paying the mother for the care of her dependent children. In every part of war-worn Europe, the child is recognized as being the first line of defense, not the second, nor the third, nor the fourth. It is well for us, who are perhaps, because of our geographical isolation not sufficiently appalled by the terriffic destruction of human life in the present war, to realize that the only help for the democracy of the future lies in the intelligent upbringing of the children who are about to take their places in the manhood and womanhood of the coming generation. The obligation of the State toward the conservation of the home, the recognition that the mother is rendering a service to the community in properly caring for her child,—that the Pension is not a charity dole but a payment for services rendered, is aptly characterized by Mr. William Hard, as "the moral pivot on which the whole movement swings from its existence in human aspiration to its existence in human fact."

GROWTH OF WIDOWS' PENSION BUREAU SAN FRANCISCO 1913-1916.

The California State Legislature in 1913, amended the State Orphan Aid Act which provides that half orphan children cared for in institutions shall be paid for by the State at the rate of One Hundred Dollars a year up to the fourteenth year, with a clause making it possible where need exists for the widowed mother to receive this same amount, $6.25 a month, from the State, and an equal amount from the County if the State appropriation is insufficient, so that the home may be kept together. In San Francisco County where since the Fire and Earthquake of 1906, provision had been made for the care of dependent children in the homes under the Juvenile Court Act, a new Bureau was established to carry out the new law. Two hundred and twenty-three cases

were transferred from the Juvenile Court to the Widows' Pension Bureau as the nucleus for the new work. These families continued to be cared for through the Court until re-investigations had been made by the new office and the necessary legal blanks could be prepared. The office opened officially Sept. 2, 1913 for the taking of applications and for the visiting of the transferred cases. Payments began on 114 of these cases, Dec. 1, 1913. One hundred and nine cases were not considered for the following reasons:

47 parents not citizens (returned Juvenile Court.) (This citizenship requirement was later declared unconstitutional and these cases re-considered by Pension Bureau.)

20 unsatisfactory homes (returned Juvenile Court).

7 desertion cases (returned Juvenile Court).

3 children not living with mother (returned Juvenile Court).

24 self-supporting (aid discontinued).

5 re-married (aid discontinued).

3 not in County (aid discontinued in San Francisco County).

No payments were made on new applications until March 1, 1914.

In San Francisco County during the last three years the number of applications made, the commitments, cancellations, active cases and cost to the State and to the County are given in the following table:

Date	No. Applications	Cases Committed	Cases Cancelled	Active Cases	State	County	Total
Sept. 2, 1913							
Dec. 31, 1913...	508	114	0	114	$ 1,762.50	$ 669.75	$ 2,432.25
June 30, 1914...	141	42	4	152	13,800.53	4,538.77	17,339.30
June 30, 1915...	296	296	44	406	55,884.81	29,479.09	85,363.90
June 30, 1916...	196	103	127	376	68,805.28	42,187.92	110,993.20
	1141	555	175		$139,253.12	$76,875.53	$216,128.65

PROPORTION OF OVERHEAD EXPENSE TO PENSION GRANTS.

The Budget appropriation for the administration of the Widows' Pension Bureau during the fiscal year 1915-1916 was $5,680. This amount was appropriated for salaries and office expenses and was borne entirely by the County. The Budget appropriation for the families to be cared for through the Widows' Pension Bureau during the same period was $125,000. Of this amount about 61 per cent was borne by the State and 39 per cent by the County. The appropriation for salary and office expenses just met the expenditure and there was a refund to the County Treasurer from the $125,000 appropriation of $14,007. In addition, the State refunded to the County $68,805.28 of the $110,993.20 expended in caring for half orphan children with their widowed mothers, so that the actual expense to the County was $42,187.92. Approximately, the cost of administration is 5% of the amount actually expended.

OFFICE ADMINISTRATION.

During the last year there was no change in the number on the staff of the Widows' Pension Bureau. The duties of the Social Service Nurse are now assumed by a woman physician, who keeps the mothers and children cognizant of and in touch with the various hospitals, and medical and dental clinics. As in 1914-1915, the office force consists of a Director, Assistant Director, Social Service Visitor, Stenographer-Bookkeeper, and a student from the State University who gives regular assistance in the office work.

RECORDS.

The records of the Widows' Pension Bureau are practically the same as at the time of the last report except that the State blanks have been slightly changed and contain more complete case data. The records consist of the following:

1. Card Catalogue (all applications).
2. Active Card File.
3. Case History File (individual folders, containing investigators' reports, correspondence, State blanks, medical records, etc.).
4. Legal Evidence File (evidence of marriage, death of husband and residence in State and County).
5. District Maps.
6. District Book (names, addresses, case numbers and amount of pension, —alphabetically arranged for each district).
7. Application Book (applications as received chronologically).
8. Calendar Book (loose leaf records of each month's recommendations of new cases and changes on old cases to Finance Committee of Board of Supervisors).
9. Ledgers (loose leaf financial sheet for each family, showing automatic expiration of pension, amount paid out each month, increases, reductions or cancellations).
10. Letter File (all correspondence not directly connected with Pension Cases).
11. Pension Law File (copies of Pension Laws enacted in other States and correspondence on the same).
12. Supervisory Current Reports arranged by districts (On these reports are based recommendations for recommitments or for changes in pensions. These reports are filed with the Case Histories when completed.)
13. Office Ledger (record of salaries and current expenses).
14. Large Wall Map of City and County with colored tacks showing location of each family, the different colors denoting the amounts given. Each tack contains a small tag or case number.

PREREQUISITES TO AID.

(a) State: The Legislature of 1917 will probably raise the age limit from fourteen to fifteen years. There is a prerequisite of two years residence in the State.

(b) County: Half orphan cases where home conditions are unsatisfactory are referred to the Juvenile Court. Mothers who supplement their pensions by work away from home must make satisfactory provision for the care of the children during their absence. No County Aid is given if the mother wishes to increase her income by having men roomers or boarders; as this is not a State regulation, State Aid cannot be refused where the moral standard is high, but the proportion of widows who find it profitable to have men roomers and forfeit

County Aid is negligible. One year's residence in the County is also demanded before County Aid is given to supplement State Aid; this because of lack of standardization throughout the various counties of the State and to protect San Francisco from the influx of dependent widows from other counties where no additional aid is given, and where even State Aid is paid in grocery orders. The Widows' Pension Bureau also demands that the home, in order to meet the requirements of the Board of Health, must conform with the following conditions:

1. Each bed-room must meet requirement of five hundred cubic feet per person.

2. No more than two children should sleep in one bed.

3. At least two rooms in each dwelling should receive an adequate amount of light and sun. These should be used as sleeping rooms. Dwellings having inside rooms not receiving direct light cannot be considered as suitable.

4. There should be adequate yard space to permit children to play away from the streets.

5. The plumbing should be absolutely sanitary, and there must be a bath in each house.

Besides the above requirements it is necessary that the home should be kept clean; that proper food and clothing should be provided; that strict attention should be paid to the school requirements of the community; that the children receive proper medical and dental attention, and that the moral atmosphere of the home should be above reproach. All of these essentials would be demanded of any institution asking for State and County Aid for the care of dependent children, and the State and County officials consider that as the payments of the pension is a business proposition between the mother and the local and State Government, that such requirements should be legally enforced.

MINIMUM INCOME.

In San Francisco the Widows' Pension Bureau considers that $12.00 per capita in large families gradually increasing to $15 per capita in families of three or less is the smallest net income on which the home can be maintained. This estimate was reached by conference with the Department of Nutrition of the University of California and by practical experimentation by members of the office force. Where the home is owned, $10 a month is substrated as the equivalent of rent, and where members of the family under twenty-one years are employed, $6.00 a month is deducted for car-fares and lunches and the balance of their earnings is counted as part of the family budget. With older un-married members of the family it is considered that where the salary is under $50.00, not more than $30 or $35 can be demanded for the support of the home. The Pension grant is based upon any deficit that may exist between the net earnings capacity of the family and the minimum standard of living for a family of any given size.

METHOD OF HANDLING APPLICATIONS.

Applications are made in person, and the applicant is carefully instructed in the State and County rulings concerning Pension grants. Dependency cases which cannot be handled through the Widow's Pension Bureau are referred to the Juvenile Court. The applicant is instructed that the Pension grant is a payment by the State and County for services rendered, and that failure to render these services means forfeiture of the pension. A very careful preliminary investigation is made of the home, the social environment, the assets and liabilities of the

applicant, school records and physical condition of the children. The mother is allowed the choice of her own medical adviser where these services can be obtained gratuitously, and in cases where she is at a loss to obtain necessary medical care for herself or the children, such help can be obtained through the Widows' Pension Bureau because of the very sympathetic co-operation of the various hospitals and clinics with the office.

APPROVALS.

At the beginning of each month all cases recommended by the Pension Bureau are submitted to the Finance Committee of the Board of Supervisors for approval. Notification of these recommendations is then sent to the State Board of Control at Sacramento. As the money is not paid in advance, the Children's Agents of the State Board of Control thus have thirty days in which to re-visit any cases where there may be a question of need, before the money is paid.

PAYMENT OF MONEY.

All pensions are paid in actual money. They are paid at the end of each month, as is usual with State and Municipal salaries. When the children become wage earners and the income increases, the pension decreases and finally stops. One month's notice is given before discontinuance of pension, so that the family may adapt itself to the change in financial condition and so that, if there is any question of hardship in reduction or cancellation of pension the mother may have an opportunity of presenting facts that may alter the decision arrived at.

CO-OPERATION: USE OF COMMUNITY RESOURCES.

From its very inception, the work of the Widows' Pension Bureau was based on and is dependent on co-operation with other social agencies of the community.

(a) Juvenile Court. When the Pension Legislation of 1913 separated the cases of widows with half orphan children from those of other dependent families receiving care and protection through the Juvenile Court, it was with the understanding that the Court should continue its jurisdiction over all widowed mothers where the standard of the home was below normal because of drink, immorality, or inability to properly supervise the children and maintain a high type home. All cases where there is no marriage evidence, where the father is in a State Penitentiary or State Hospital for the Insane, or is incapacitated through illness for providing for his family or where the mother is intemperate or morally weak, are still handled through the Juvenile Court. This co-operation enables the Widows' Pension Bureau to care only for high type homes where need comes solely because of the death of the bread-winner, without inflicting any serious hardship upon the family that must be kept together, if at all, by aid of the strong and protecting arm of the law.

(b) Associated Charities: Another invaluable help to the Pension Bureau is the co-operation of the Associated Charities and other child-placing agencies in temporarily caring for widowed families where there are no relatives and where there is no insurance, or other available asset, during the period between the dates of application for the pension and the time when the mother is in actual receipt of the pension grant. This interval is usually from two to two and a half months and the fact that emergency aid can be and is given during this period makes it possible for the office to consider the cases in order of application and precludes any danger of political or other influence being urged to have

cases put on the list out of turn. There is also a co-operation from these agencies during this interval in helping to re-establish the family in a home where sanitation and housing requirements come up to the standards of the Board of Health and of the Widows' Pension Bureau.

(c) County and State Officers: When the widow applies for a pension there are legal papers that must be filled out and forwarded to Sacramento. This work is done through co-operation with the County Clerk's Office in properly attesting all necessary documents without charge to the widow. The Board of Health provides gratuitously copies of death certificates. The Registrar's Office furnishes duplicate copies of registration as evidence of citizenship, not at the present moment an actual pre-requisite to Pension Aid. Information is obtained through the Assessor's and Tax Collector's Office concerning the location and the assessed valuation of property, and other necessary information is obtained gratuituously through the State Board of Health, the State Library and the United States Immigration Office.

(d) Hospitals, Clinics and Legal Aid Bureau: The Widows' Pension Bureau is able to obtain legal aid, clinical or hospital and dental care for families receiving pension grants through the San Francisco Hospital, the Children's Hospital, University of California Hospital, the Stanford University Hospital, the San Francisco Dental Clinic and the University of California Dental Clinic and the various clinics connected with private hospitals throughout the City. The Tuberculosis Clinic is also very helpful in supplementing with milk and eggs in families where there has been a history of tuberculosis.

(e) Private Charitable Organizations: Although the effort is made to supply the need in each Pension family from the State and County Funds, there are times when illness makes it necessary to ask temporary help to supplement pension grants. This help has always been most cheerfully accorded through the San Francisco Fruit and Flower Mission, the various foreign benevolent associations, the Catholic Humane Bureau and the Eureka Benevolent Society.

(f) Co-operation with Family: A point that must never be lost sight of in all pension work is that the initiative and self-respect of the family helped must be conserved during the period of dependency so that when the time of readjustment comes, and the children become wage earners, the family may resume its place as a normal factor in Society. This can only be done when the Bureau and the pensioned family are absolutely working in harmony. Miss Richmond lays stress on this point when she states that the successful social worker must have an intimate and continuous knowledge of and sympathy with the family's joys, sorrows, opinions, feelings and entire outlook upon life, and that the visitor who has this is unlikely to blunder in any detail of relief work. "All co-operation is primarily an act of faith; it implies vision, trust, and a common goal," and unless this relationship can be established between the family and the social worker, there can be no successful result.

The co-operative agencies that have been most helpful to the Widows' Pension Bureau of San Francisco are:

FOREIGN CONSULATES:

FEDERAL:

Children's Bureau, Washington, D. C. (Co-operation in keeping in touch with Pension Legislation throughout the United States, in an effort to ultimately standardize all Pension Work.)

Federal Employment Bureau for Women, San Francisco.

United States Immigration Station, Angel Island. (Marriage evidence in Oriental cases.)

STATE:

State Board of Control, Sacramento. (Approves all recommendations and cancellation made by a County office thus sharing responsibility in any action taken.)
State Industrial Accident Commission.
State Board of Health, Sacramento. (Provides death certificates in cases outside of San Francisco County.)
State Board of Charities and Corrections. (Investigates homes for purpose of granting permits to widows to board children.)
Native Sons and Daughters Central Committee on Homeless Children. (Places homeless children to board with Pension families.)
State Employment Bureau for Women, San Francisco.

University of California:

(a) Medical Department: Hospital and clinical care. Pre-natal Nurse.
(b) Dental Department.
(c) Psychiatric Clinic.
(d) Department of Economics. (Work of two students each term in preparation of statistics.
(e) Department of Dietetics. (Preparation of tables showing food values and minimum standards of living for families of various sizes.)

PRIVATE CHARITABLE ORGANIZATIONS:

Robinson and Wendel Bequests (Mayor's Office).
San Francisco Fruit and Flower Mission.
San Francisco Associated Charities.
Catholic Humane Bureau.
Eureka Benevolent Society.
St. Vincent de Paul Society.
German Ladies' Benevolent Society.
French Ladies' Benevolent Society.
Swiss Benevolent Society.
Vittoria Colonna Society.

LEGAL AID SOCIETY:

FRATERNAL ORDERS:

Knights of Columbus.
Masons.
Foresters.
Elks.
Odd Fellows.

HOSPITALS AND CLINICS:

Children's Hospital.
San Francisco Hospital.
University of California Hospital.
Mount Zion Hospital.
San Francisco Tuberculosis Clinic.
Arequipa Sanitorium (County home for arrested cases of tuberculosis).

COUNTRY VACATION HOMES:

St. Dorothy's Rest.
Hill Farm.

SETTLEMENTS:

Telegraph Hill Settlement.
People's Place.
Girl's Recreation Club.
Mission Center (Y. W. C. A.).
Girls' Club.
St. Ignatius Settlement.
Boys' Club.

DAY HOMES:

Sisters of the Holy Family Day Homes.
Kip Memorial Mission.
Infants' Shelter.

SCHOOLS:

Public Schools and Parochial Schools. (Co-operation in keeping children in regular attendance at school.)
San Francisco Board of Education. (Issuance of working permits for children over 15 years.)

It may be well to mention that while all the community resources have been availed of to the utmost the actual material help generally ends after the home has been readjusted and the pension started. In every case it is felt that the obligation of meeting the needs of the family rests primarily with the State and with the County and it is only when the Pension aid has been forwarded to the limit that the law allows and there is still a deficit that the private charity organizations are appealed to. Of the 376 cases active at the time of this writing not more than 20 are in receipt of supplemental help in milk or in grocery orders. Of course, when sickness comes or in times of unemployment, the private organizations are appealed to and are most generous in their response, but the payment of the amount needed for the maintenance of the family through the Pension Bureau, conserves the self-respect of the mother by obviating the necessity of her dragging around from one charity agency to another, receiving a dole here and there until it is almost impossible for her to escape the habit of mendicancy.

Summarizing, the aim of the Widow's Pension Bureau is to carry out the provisions of the law so that the home may be conserved with the least possible hurt to the selfrespect and dignity of the applicant. An effort is made to place the family in a friendly business relationship with the office and to standardize and regulate the pension grants according to the need of each particular family, so that it may meet the deficit between the net incomes and the minimum standard of need. Undoubtedly, in some few cases, advantage is taken of this attitude of the office but in the long run the work has not suffered by imposition and the friendship that has been established between the Pension Bureau and the widowed families is of infinitely more value and far offsets any possible loss that may result.

Mr. William Hard in his article on "Financing Motherhood" speaks of the social nurse, medical inspectors, play-ground inspectors, school teachers and other public officials as mere assistants to the mother in the work of preparing her children for good citizenship. "They are knowledge. The mother is life. This twentieth century, more than any other century before it, is devising plans by which, in every possible case, the mother may be held steadily to her task of arousing life, intense and abundant in the children she bears. Therein we may read the signs of the times which point up the road of the immediate future to a state reverence of motherhood never before imagined."

Respectfully submitted,

MARGARET C. NESFIELD,
Director Widows' Pension Bureau.

Report of Licenses

San Francisco, July 22nd, 1916.

Hon. James Rolph, Jr.,
Mayor, City and County of San Francisco.

Dear Sir: In compliance with Article XVI, Section 9, of the Charter of the City and County of San Francisco, I have the honor to submit herewith the report of the License Department of the Tax Collector's Office for the fiscal year ending June 30th, 1916.

EDWARD F. BRYANT, Tax Collector.
By JAS L. MILLER, Deputy.

TAX COLLECTOR'S ANNUAL REPORT OF LICENSES COLLECTED.

For Fiscal Year 1915-1916.

No. Issued		Amount
4111	Apartment Houses	$ 12,480.00
35	Assayers	355.00
9	Advertisers	80.00
37	Auctioneers	3,700.00
12	Ball and Ring Games	60.00
3	Baseball	225.00
282	Baths, Public	1,293.00
4805	Billiards and Pool Tables	19,220.00
8	Bill Posters	2,625.00
155	Bowling Alleys	775.00
62	Brokers, Custom House	695.00
1134	Brokers, Real Estate	6,130.00
276	Brokers, Merchandise	1,835.00
459	Brokers, Stock and Investment	3,502.00
51	Carpet Cleaning	510.00
12	Circus	695.00
41	Concerts	205.00
9	Concert Halls	634.00
66	Concealed Weapon Cards	198.00
2	Cycleries	8.00
511	Dance Halls	3,832.50
4	Detective Agencies	60.00
7621	Dog Tags	11,431.50
724	Dog Tags, Duplicate	362.00
61	Dyeing and Cleaning	438.00
70	Exhibitions	467.00
13	Electrical Fixtures, Installing	1,300.00
241	Electricians, Master	2,410.00
8	Express Agents	75.00
8	Gas Regulators	80.00
98	Guides, City	980.00
30	Guide Badges	75.00
2487	Hotels	10,817.00
12	House Moving	300.00
194	Intelligence Office	3,104.00
13	Itinerant Vendors	650.00
803	Junk Dealers	1,025.00
1027	Laundries	6,878.00
3	Light and Power Companies	6.00
8020	Liquor Dealers, Retail	1,002,500.00
477	Liquor Dealers, One Day	4,770.00
352	Livery Stables	1,408.00
2338	Lodging Houses	7,014.00
93	Mercantile and Collection Agents	975.00
6	Merry-go-round	60.00
169	Nickel-in-Slot Machines	299.00
340	Panorama and Kinetescopes	8,500.00
184	Pawnbrokers	5,704.00
1935	Peddler Tags	11,610.00
468	Peddler, Gratuitous	
24	Petroleum, Storage of	240.00
5	Patent Chimneys, erecting of	625.00

No. Issued		Amount
4	Railroad Stage Line Agents	40.00
1	Railroad Ticket Peddler	10.00
4767	Restaurants	16,631.00
8	Riding Academies	32.00
375	Runners and Solicitors	3,750.00
86	Slaughterers	1,297.50
1075	Second Hand Dealers	2,121.00
47	Shooting Galleries	353.50
286	Transfer and Delivery Companies	1,430.00
18	Theatres	4,368.00
26	Theatres, Ticket Scalpers	260.00
39	Towel Companies	234.00
137	Warehouses	2,150.00
34	Water Companies	1,064.00
609	Automobile, Passenger Vehicles	2,157.00
1867	Automobile, Trucks less 1 Ton	4,804.00
464	Automobile, Trucks 2 Ton	2,354.00
384	Automobile, Trucks over 2 Ton	3,885.75
5	Cabs	9.00
2620	Cars, Street Railroad	9,825.00
2	Coaches and Busses	7.50
1248	Driver Badges	1,248.00
18	Hacks	45.50
4703	Single Wagons, One Horse	7,261.25
3743	Double Wagons, Two Horses	9,509.00
491	Double Trucks, Two Horses	2,472.00
213	Four Horse Trucks	2,137.00
1341	Jitney Busses, Class A	13,423.50
95	Jitney Busses, Class B	1,620.50
64640		$1,237,720.00

APPENDIX

Board of Supervisors

The following constituted the Board of Supervisors on July 1, 1916.

JAMES ROLPH, JR.,
Mayor and Ex-Officio President.

(Terms expire January 8, 1918.)

Cornelius J. Deasy	City Hall
Andrew J. Gallagher	1379 Market Street
Fred L. Hilmer	129 Davis Street
Ralph McLeran	113 Clayton Street
Charles A. Nelson	1590 Underwood Avenue
Edward L. Nolan	City Hall
James E. Power	1207 Ashbury Street
Fred Suhr, Jr.	2919 Mission Street
John O. Walsh	117 Fair Oaks Street

(Terms expire January 8, 1920.)

Edward J. Brandon	20 De Soto Street
J. Emmet Hayden	34 Market Street
Oscar Hocks	558 Guerrero Street
John D. Hynes	550 Page Street
John C. Kortick	335 First Street
Joseph F. Lahaney	902 Potrero Avenue
Joseph Mulvihill	730 Third Avenue
Richard J. Welch	978 Guerrero Street
Edward I. Wolfe	630 Mills Bldg.

STANDING COMMITTEES.

Auditorium—Brandon, Hynes, Gallagher.
Civil Service—Hocks, Hayden, Hilmer.
Commercial Development—Kortick, Walsh, Welch, Wolfe and Brandon.
Education, Parks and Playgrounds—Power, Wolfe, Kortick, Welch and Suhr.
Electricity—Suhr, Hocks, Kortick.
Finance—Power, Nolan, Gallagher.
Fire—Deasy, McLeran, Nelson.
Judiciary—Nelson, Hilmer, Hayden.
Lands and Tunnels—Hayden, Hilmer, Walsh.
Lighting, Water Service and Telephone Service—Nolan, Mulvihill, Power.
Municipal Concerts and Public Celebrations—Hynes, McLeran, Power.
Police—Lahaney, Hocks, Deasy.
Public Buildings—McLeran, Brandon, Nelson.
Public Health and Garbage Disposal—Walsh, Lahaney, Hynes, McLeran, Suhr.
Public Utilities—Wolfe, Gallagher, Deasy, Mulvihill, Welch.
Public Welfare, Weights and Measures and Publicity—Mulvihill, Hynes, Lahaney, Nolan, Hocks.
State Laws and Legislation—Hilmer, Wolfe, Hayden, Nelson.
Streets and Sewers—Welch, Brandon, Lahaney, Kortick, Suhr.
Supplies—Gallagher, Mulvihill, Deasy, Nolan, Walsh.

Mayor's Inaugural Address

Mayor's Office, San Francisco.

San Francisco, January 8, 1916.

To the Honorable Board of Supervisors of the City and County of San Francisco.

Gentlemen: It seems but a short time since I addressed myself to you in an inaugural message as Mayor of the City of San Francisco, and yet it is four years ago. I am proud that the same pleasure is again afforded me today. We have had four years of actively constructive administration. In these four years the City of San Francisco has, I think, made unusual advancement, and some of its accomplishments might be referred to on this occasion.

Industrial peace has prevailed in our city, and with industrial peace great things have been and can be accomplished. The Municipal Railway system has been built, and is being profitably operated. The new City Hall has been dedicated and is already partially occupied. It is a noble edifice, bespeaking the character of the finest city in the world. The Civic Center, which is one of the most attractive municipal plazas of its kind in the United States, has been created; the Exposition Auditorium, a building long needed by San Francisco, has been built by the exposition officials with money provided by the city; the Public Library, to cost approximately 1,000,000, has been started and is well under way; this will be completed and occupied within a year. Several fine branch libraries have been erected in various sections of the city, and others will be constructed; the City and County Hospital, one of the most modern and perfectly equipped institutions of its kind, has been completed and is now occupied; the Mission viaduct has been finished; many new public school buildings have been erected; the Hall of Justice and the County Jail have been completed; the fire protection high pressure system has been well advanced. This system now in operation has paid for itself by reductions in insurance rates and further reductions are promised. Modern fire-fighting apparatus has been installed and new firehouses built. The Police Department has ably and creditably performed its duties, and the record of crime has been less than in any period of the history of the city. Streets have been restored, repaired and extended; a great deal of work has been done in the repair of old streets and in the construction and opening of new streets and boulevards. Our streets are in better condition than they ever have been. Our sewer system has been greatly improved and extended. We have been granted by Congress the right to build a dam and take water and power from the Hetch Hetchy Valley. A world's exposition, unequalled, has been built, successfully managed and brought to a triumphant conclusion, thus spreading the name and fame of San Francisco throughout the civilized world. All honor, credit and thanks are due to the public-spirited citizens, the president and directors of the exposition, the members of the State Exposition Commission and the Women's Board, who directed and managed its affairs for and on behalf of the city. In short, the physical properties of the city, which were damaged in 1906, and which were, at the beginning of this administration, inadequate by the growth of the city, have been generally improved. In this work of improvement many millions of dollars have been expended without a suggestion of waste or scandal, and the outgoing members of the Board of Supervisors deserve their full measure of credit for the work thus efficiently and honestly accomplished.

I desire to express to Paul Bancroft, Thomas Jennings, William H. McCarthy, Charles A. Murdock, Henry Payot and Alexander T. Vogelsang the

thanks of the city for public service rendered during the past four years, and my personal appreciation of their ever-cordial relationship with me, and I extend good wishes for their future success and happiness. I shall ever pleasantly and gratefully remember our work together and their efforts in support of the administration over which I have had the high honor to preside for the past four years.

I cannot refer to my past four years of office and the Supervisors whose terms are now expiring without thinking of former Supervisors Guido Caglieri, A. H. Giannini, George E. Gallagher, Byron Mauzy, Daniel C. Murphy and Adolf Koshland, who, for the first two years of the present administration, contributed of their efforts and enthusiasm to the advancement of the city, and at the close of this term I thank them, with the Supervisors whose terms expire today, for the co-operation and public service rendered in behalf of our city as members of the outgoing administration.

To fill the vacancies in the various branches of the city government, expiring today, I have reappointed all my own appointees. Faithful and capable public service should be recognized. My appointments are:

Board of Public Works—Adolph Judell.

Fire Commission—John F. Davis.

Police Commission—Jesse B. Cook.

Board of Education—Dr. A. A. D'Ancona.

Park Commission—Curtis H. Lindley and A. B. Spreckels.

Election Commission—C. J. Collins and Wm. McDevitt.

Playground Commission—Rev. D. O. Crowley, Marshal Hale, Mrs. M. S. Hayward, Miss Agnes Regan, Angelo J. Rossi.

While much has been accomplished, we must remember that San Francisco is rapidly growing and it is difficult for any administration to keep pace with her needs. Much must be done in the next four years. This work cannot be accomplished without good will and cooperation on the part of every branch of the administration. We are all interested, I feel confident, in making for the administration of the next four years a creditable record. This city needs optimistic men who have confidence in her future; men who believe in progress on a scale commensurate with the needs of San Francisco; men with a vision and who believe in big things for a big city.

In this great and growing San Francisco, no matter what has been done, more and greater work is ahead. Great work requires great labor. A great future requires great preparations. It is well for the new Board, starting on its career today, to prepare its plans. I greet, today, with congratulations and hearty good wishes, and in a friendly spirit, the incoming Board of Supervisors: E. J. Brandon, C. J. Deasy, A. J. Gallagher, J. Emmet Hayden, Fred L. Hilmer, Oscar Hocks, J. D. Hynes, J. C. Kortick, Joseph Lehaney, Ralph McLeran, Joseph Mulvihill, Charles A. Nelson, Edward Nolan, James E. Power, Fred Suhr, Jr., John O. Walsh, Richard J. Welch, Edward I. Wolfe.

May I, from my four years' experience, make a few recommendations along the lines of municipal advancement that should be accomplished during our next four years.

The Municipal Railway system was established not only to make profit for the taxpayers, but to provide service. It has done both in such excellent fashion that the extension of the system will not only be a financial success, but insure the growth of San Francisco.

We should extend our municipal transportation system, commencing at the terminus of the Geary street system at the Beach, along the Beach to Sloat boulevard, and thence along Sloat boulevard to and through the Twin Peaks tunnel, providing to the adjacent districts which have contributed the largest share of the assessment for the construction of the Twin Peaks tunnel, transportation to the heart of the city.

The transportation through the tunnel must be operated by the city itself.

No time should be lost in determining the rights of the city to operate its own municipal system over its own streets, and until this question is settled, municipal transportation, in one form or another, should be provided.

In another year the Twin Peaks tunnel should be completed, and thus the Ingleside and Sunset districts will be connected directly with the business section of the city. The tunnel is one of the most valuable assets of the municipality, and the control of it for traffic at all times must be retained by the public. Plans should be formulated immediately for the extension of the Municipal Railway system from the tunnel and down Market street to the Ferry in order to provide rapid transportation for the Sunset and Ingleside districts.

The city, in view of the injunction granted by Judge Sewall, should take steps immediately to obtain the use of a loop at the Ferry terminus for the operation thereon of the cars of the municipality, and to make provision to supply sufficient power for all cars of the Municipal Railway in conformity with Judge Sewall's recent decision.

The Municipal Railway system should cross Golden Gate Park, thus connecting the Richmond with the Sunset district, and providing much needed transportation in these rapidly growing sections of our city.

The Church Street Line should be completed without delay to Thirtieth street.

At Hunter's Point, active development in the shape of dry docks and shipbuilding plants is progressing. Large numbers of men are daily employed there and their only present means of transportation is by water. The city should provide street car transportation from the terminus of the Potrero avenue line, at Twenty-fifth street, to Hunters Point, at as early a date as possible. This splendid section of our city is yearning for homes and is only retarded by lack of transportation and water.

As rapidly as finances will permit and prospects of returns warrant, I favor the extension of the Municipal system into other districts requiring street car transportation.

I recommend diligent and uninterrupted prosecution of development work at Hetch Hetchy, so that we may acquire water from that source at an early date. The dam should be completed as quickly as possible, for the purpose of bringing electric current to San Francisco, and, with this current, operate the Municipal Railway system and furnish lighting at a great saving of cost to the city.

The Bernal Cut should be widened, as provided for in the agreement between the city and the Southern Pacific Railway Company. This outlet for the city is needed for predestrian, vehicular and transportation purposes down the Peninsula, and annual appropriations should be made in the budget for the prosecution of this work. The Municipal Railway system from Thirtieth street and Church street must ultimately find its extension down the Peninsula through this thoroughfare.

Annual appropriations should also be provided in the budget to complete the work already started in the construction of the esplanade from the Cliff House to the Sloat boulevard.

South San Francisco has been sadly neglected in the consideration of public improvements. It would rapidly develop into a thriving manufacturing district where rail and water meet, and where splendid home sites are lying idle simply for the want of needed improvements in the shape of streets, sewers, transportation and a water supply, on the part of the municipality. Our city depends for its growth, in a large measure, on the establishment of manufacturing plants within its boundaries, providing occupation for its people, and these should be encouraged in every way possible. To this end the administration should diligently work toward the opening, grading and widening of streets in that section

of the city; to the widening and improvement of Army street, the filling and grading of Fifth and Tenth avenues and the repair of Fifteenth avenue and Kentucky street to the county line, in particular, in order that these thoroughfares may open up a convenient access between this South San Francisco district and all parts of our city.

The city will be chief beneficiary of the development of the Islais Creek and India Basin Harbor by public ownership, and the city therefore should cooperate with the State both in an attempt to acquire the lands necessary and the plans necessary for the development of the harbor. The city can best help the State in this matter by granting to the State without price the streets forming part of the tract of submerged land which the State is now endeavoring to acquire by condemnation suit. This land was originally acquired by the city without cost. The city has spent nothing to improve it, and it is of no value to the city for streets. The so-called streets are covered with water and deep mud. Unless these submerged lands are acquired by the State, this extensive territory sought by the State by action of the people and now covered by water, will be used by private parties for harbor purposes in competition with the State.

I recommend that your Honorable Body instruct the City Attorney, by proper resolution, to consent to a judgment in the condemnation suit by which the State may acquire the streets and all other property of the city within the tract which is the subject of condemnation suit for a nominal consideration, in order that the State may proceed with harbor improvements for the betterment of our port.

Lincoln Park should be improved and completed by special annual appropriations.

Efforts should again be made to acquire the Sutro Heights properties.

The growth of the city requires further extension of our school system. No citizen should begrudge the expenditure of public funds for proper educational facilities. The only means for the construction of new schools in rapidly growing districts and modernizing of many obsolete school buildings will be by a bond issue, and I favor a bond issue for this purpose.

Former plans for providing for garbage disposal have proven unsatisfactory. Garbage disposal is a pressing question to which your Honorable Board should give immediate consideration, and some modern method should be devised for the solution of this problem.

The development of the Civic Center should be prosecuted without delay. Plans for the opening of streets extending into the Civic Center and into Market street, giving a better and more convenient access to our main thoroughfare. Plans in keeping with the dignity and beauty of our municipal buildings should be adopted. The streets, under the plan, to be extended are Fulton street, Hyde street and Leavenworth, all into Market street. Marshal Square should be widened in conformity with the plans of the architects.

The public buildings contemplated and under construction should be completed as soon as possible.

A complete municipal water supply is one of the city's pressing needs, and I strongly recommend the acquirement by the city at the earliest possible moment of such properties of the Spring Valley Water Company as are required by the city in conjunction with our Hetch Hetchy system.

The question of the purchase of these properties has been submitted to the people on several occasions, and while receiving a substantial majority in favor of the purchase, it has been defeated by the minority. Its purchase has been opposed by many splendid public spirited citizens whose only objection has been the question of price. Something must be done to solve this question, and to do so the people must be convinced that the price of purchase is right. I have suggested, on several occasions, that the whole matter of the valuation of the Spring Valley, for purposes of condemnation, be submitted to the State Railroad

Commission, a tribunal with authority and in whom the people have confidence. There should be no delay in these proceedings, and when the price has been determined, the question of purchase should again be submitted to the people and when ratified the city will be the possessor of a much needed public utility, and under careful municipal control and operation the system can be extended into districts now undeveloped for want of a proper water supply.

From the investigations of the city's advisory water committee I am convinced that the ownership of the properties of the Spring Valley Water Company is necessary for the city's growth and development and would make handsome financial returns to the city, beside supplying the city's needs for water in the outlying districts.

Our city's area is limited. Its growth must be down the Peninsula. Our neighbors in San Mateo county have at times expressed a desire to join with San Francisco in a Greater San Francisco. Legislation has been enacted upon the part of the State which would permit of such annexation of that county. I recommend that this question be given thoughtful attention and meetings of the officials of both counties be arranged in an effort to unitedly co-operate to this end.

Four years soon roll around. We step today upon the threshold of four years of public service. We are expected by our fellow citizens to show results. May we by united action and co-operative effort, show, at the close of our term of office, results that will redound to the glory of a still greater San Francisco, and may we, by our endeavors to that end, merit the confidence which our fellow citizens have placed in us at this time.

Very respectfully your,

JAMES ROLPR, JR.,
Mayor of the City and County of San Francisco.

City Hall

Interior City Hall

Exposition Auditorium

Public Library

City Hall and Civic Center History

PROCEEDINGS OF THE BOARD OF SUPERVISORS IN THE ACQUISITION OF A CIVIC CENTER, THE BUILDING OF A CITY HALL AND OTHER PUBLIC BUILDINGS WITHIN THE CIVIC CENTER, IN THE CITY AND COUNTY OF SAN FRANCISCO.

CITY HALL AND CIVIC CENTER.

The disaster of April 18, 1906, damaged the City Hall to an extent that unfitted its further use for public business.

After numerous investigations by the city officials, and a thorough examination of the building by the engineering department of the Board of Public Works, it was found to be impracticable to repair the building by reason of the danger of structural defects that might develop in the future; and also, the great expense of undertaking its rehabilitation.

The portions of the building remaining on the old site were razed and cleared away, excepting a portion which was temporarily retained and fitted up for the Treasurer, Auditor and the Registrar of Voters. The Hall of Records adjoining was repaired and retained in service. The urgent necessity for the construction of a City Hall as expeditiously as possible was apparent. It was deemed a wise policy by the city officials to provide that the building of a city hall should be accompanied by the acquisition of sufficient additional lands to create a Civic Center wherein other public buildings could be erected to serve official purposes and other requirements of the people in future years as well as at the present time. Working along these lines a number of prominent architects and engineers, namely, Messrs. John Galen Howard, W. B. Faville, Clarence R. Ward, H. D. Connick, Willis Polk and E. H. Bennett, were selected as an advisory committee to prepare and present to the Mayor and the Board of Supervisors plans and suggestions for the acquisition by the city of a Civic Center.

Mayor James Rolph, Jr., and the Board of Supervisors referred all matters pertinent to the project to the Public Buildings Committee of the Board of Supervisors. The committee comprised in membership Supervisors Paul Bancroft (chairman), Geo. E. Gallagher and Ralph McLeran (Geo. E. Gallagher resigned membership in the Board of Supervisors January, 1914, upon his appointment to the office of School Director, and Supervisor Henry Payot was selected to fill the vacancy on the committee).

On the evening of January 10, 1912, a joint meeting was held in the chambers of the Board of Supervisors by the Public Building Committee the Mayor and members of the Board of Suervispors for the purpose of receiving a report from the Advisory Committee. A lengthy discussion followed and the subject matter of selecting a site for the civic center was taken under advisement by the Public Building Committee of the Board of Supervisors. At the meeting of the Board of Supervisors held January 15, 1912, the following report of the Public Building Committee was presented by Supervisor Paul Bancroft Chairman, to-wit:

San Francisco, Calif, January 15, 1912.

Board of Supervisors, San Francisco.

Gentlemen:—The Public Building Committee of the Board of Supervisors, after having spent nearly two months in investigating the question of the location of the proposed new City Hall, begs to report as follows:

Your Committee has carefully investigated all of the drawings, plans, communications and suggestions submitted to his Honor the Mayor by more than fifty of the architects of San Francisco.

Your Committee has also held numerous conferences with its Advisory Committee, consisting of Messrs. John Galen Howard, W. B. Faville, Clarence R. Ward, H. D. H. Connick, Willis Polk and E. H. Bennett. On January 8, 1912, the majority of the Advisory Committee reported to your Public Buildings Committee as follows:

"San Francisco, January 8, 1912.

"To the Building Committee of the Board of Supervisors.

"Gentlemen:—The majority of the Advisory Committee appointed to consider the location of the Civic Center, recommends that the City Hall be built on the old site and that the other buildings of the Civic Center be grouped around it, in accordance with a scheme to be developed by the properly constituted authorities.

"This decision has been reached after the most searching and impartial analysis that the time has permitted of every idea which has been presented by architects or others. The recommendation is based on permanent consideration, first of the most practical convenience to the city; second, of the greatest aesthetic possibilities for the City Hall itself and for the monumental buildings to be grouped with it as the Civic Center, and third, of economy in achieving the best results both practical and aesthetic.

"Respectfully submitted,

"John Galen Howard, Chairman,
"Clarence R. Ward,
"Harris D. H. Connick,
"W. B. Faville."

On the same date Messrs Willis Polk and E. H. Bennett filed a minority report giving virtually the same reasons for the location of a Civic Center at Van Ness avenue and Market street.

On January 10, 1912, your Public Building Committee held a meeting to which his Honor the Mayor, all of the members of the Board of Supervisors, other public officials and the public in general were invited. This meeting was called for the purpose of hearing further reports from the members of the Advisory Committee.

On January 12, 1912, your Public Building Committee met and agreed to recommend to the Board of Supervisors that the new City Hall be erected on the "old site", in conjunction with a Civic Center; the lands for said Civic Center to be purchased within the district bounded by Van Ness avenue, Hayes street, Market street and Golden Gate avenue. The above mentioned district, within which your Committee recommends the location of the Civic Center, was the unanimous choice of Messrs. Howard, Ward, Faville and Connick of the Advisory Committee, and was generally favored by the architects present at the meeting of January 10, 1912.

Your Committee bases its recommendations,

1st. For the reasons stated in the majority report of January 8, 1912, of the Advisory Committee.

2nd. Your Committee considers that the old City Hall site is more convenient to the present center of the City's activity.

3rd. That it offers advantages over the Van Ness avenue site in point of spaciousness.

4th. It affords opportunities for approach without the necessity of widening existing streets or cutting new ones, and offers exceptional opportunities for vistas to the City Hall along such existing streets as Eighth and Fulton.

5th. That it lends itself to loftier and more impressive monumental elevations.

6th. That it does not extend to both sides of Market street, thereby threatening an interruption of traffic.

7th. That it offers a connection with the best topographical route for an extension of the Park panhandle to the Civic Center.

8th. That it is better because it is slightly removed from the main traffic center.

9th. That it would cost less than the Van Ness avenue site.

Although at the present time your Public Building Committee is not prepared to recommend the adoption in its entirety of any one particular plan of those submitted to the Mayor your Committee begs to report that the following architects have submitted plans which most nearly meet with the approval of your Committee, as to location and general arrangement: B. J. S. Cahill, C. A. Meusdorffer, E. A. Schumacher, L. P. Rixford, Glenn Allen, G. A. Applegarth, Nathaniel Blaisdell, Philipp Schwart, Oscar Haupt, E. G. Vogel, F. H. Meyer, David Salfield, Wm. F. Smith.

Respectfully submitted,

PAUL BANCROFT,
R. McLAREN,
GEO. E. GALLAGHER.

The Committee's report and the following resolutions were adopted by the Board of Supervisors:

FAVORING CONSTRUCTION OF CITY HALL ON OLD SITE.

J. R. No. 6.

RESOLVED, That the Board of Supervisors hereby declare itself in favor of the construction of the new City Hall upon the so-called "old site"; and be it

Further Resolved, that said Board hereby declare itself in favor of submitting to the people a bond issue for the creation of a Civic Center; in conjunction with said new City Hall; the lands for said Civic Center to be purchased within the district bounded by Van Ness avenue, Hayes street, Market street and Golden Gate avenue.

[The provisions of the foregoing Resolution in so far as it affected the site for the City Hall, was repealed by Resolution No. 9526 (New Series).]

THANKING ADVISORY COMMITTEE FOR ITS ASSISTANCE IN SELECTING CITY HALL SITE.

J. R. No. 7.

WHEREAS, The following gentlemen, viz.: John Galen Howard, Willis Polk, W. B. Faville, E. H. Bennett, Clarence Ward and H. D. H. Connick, acting as members of an Advisory Committee to the Public Buildings Committee of the Board of Supervisors, have for several weeks past devoted themselves assiduously to the task of investigating the problem of the location of a new City Hall and Civic Center; and

WHEREAS, Said Gentlemen in undertaking this work, have without complaint labored day and night, Sundays and holidays, to the great sacrifice of their own personal affairs; and

WHEREAS, The work of said Advisory Committee has been of inestimable value to the Board of Supervisors in assisting them in arriving at their conclusions in regard to the location of a new City Hall and Civic Center; therefore be it

RESOLVED, That the Board of Supervisors hereby expresses its thanks to each and every member of said Advisory Committee for the great service they have rendered to San Francisco.

(Clerk instructed to send a copy to each person mentioned.)

Also,

J. R. No. 8.

WHEREAS, In repsonse to an invitation from his Honor the Mayor, more than fifty architects of San Francisco have, without expectation of remuneration, submitted one hundred or more plans, designs and recommendations as to the location of a new City Hall and Civic Center; and

WHEREAS, The suggestions of these architects have been of great value to the Board of Supervisors in assisting said Board in determining its final recommendations; therefore be it

RESOLVED, That the Board of Supervisors hereby expresses its thanks to the following gentlemen for the great service they have rendered this City, to-wit:

Glenn Allen, E. P. Antonovich, G. A. Applegarth, Tagart Ashton, Nathaniel Blaisdell, Bakewell & Brown, J. Baur, E. H. Bennett, B. J. S. Cahill, Louis Cowles, H. G. Chivers, W. J. Cuthbertson, A. Cahen, Ernest Coxhead, J. F. Dunn, L. B. Dutton, E. Dasse, Oscar Haupt, Howard & White, Havens & Toepke, Arthur O. Johnson, Edward Kollofrath, L. A. Kelley & Co., D. D. Kearns, A. C. Locke, G. A. Lansburg, M. J. Lyon & Co., H. A. Milton, Mohr Bros., N. W. Mohr, W. Garden Mitchell, F. H. Meyer, Herbert B. Maggs, C. A. Meussdorffer, Chas. Paff & Co., L. P. Rixford, David Salfield, Herbert A. Schmidt, Frank T. Shea, A. Sparco, A. G. Scholz, E. A. Schumacher, W. F. Smith, Philipp Schwertt, George Skaller, E. J. Vogel, J. W. Woolett, Charles P. Weeks.

The Board of Supervisors also at this meeting finally passed an ordinance numbered 1769 (new series) "Determining and declaring that the public interest requires the acquisition, construction, completion and equipment by the City and County of San Francisco, of a permanent building or buildings and improvements to be used by the City and County of San Francisco, as a City Hall, and the acquisition of the necessary lands therefor, and for grounds and lands adjacent thereto, for the purpose of erecting a Civic Center, that the cost thereof in addition to the other expenses of the said City and County would exceed the revenue and income provided for the City and County for any one year; and directed the Board of Public Works to procure through the City Engineer, and to place on file through the Board of Supervisor plans and estimates of the cost of original construction, completion and equipment of such permanent building or buildings and improvements.

The undertaking would therefore necessarily incur a bonded indebtedness. The ordinance was passed as the first of a series of ordinances to be adopted under and by virtue of the proposed bonded indebtedness to be incurred for the purpose herein above recited. At the meeting of the Board of Supervisors held January 29, 1912, the following resolutions were passed.

J. R. No. 39.

WHEREAS, It is the intention of the Board of Supervisors of the City and County of San Francisco to submit to the people of this City, a bond issue for the erection of a new City Hall and the construction of a Civic Center in connection therewith; and

WHEREAS, It is of the greatest importance that immediate information be furnished the Board of Supervisors as to the character, number and purposes of proposed buildings that are likely to be placed in the Civic Center group; therefore, be it

RESOLVED, That the Panama-Pacific International Exposition Company be and is hereby requested to furnish definite proposals and information to the Board of Supervisors as follows:

1. Whether the Panama-Pacific International Exposition Company will erect an Auditorium in the proposed Civic Center, provided the people of this city vote to acquire lands upon which said Auditorium may be erected; and provided the Board of Supervisors sets aside a sufficient area in the proposed Civic Center for a monumental Auditorium.

2. Whether the said Panama-Pacific International Exposition Company will convey to the City and County of San Francisco all right, title and interest in said proposed Auditorium to the City and County of San Francisco after the exposition of 1915 shall have closed.

3. The Board of Supervisors, for the purpose of fully informing the people in relation to the proposed City Hall and proposed Civic Center, requests the Panama-Pacific International Exposition Company to state how much money said Company will set aside and appropriate for the erection of such an Auditorium on land which is provided by the City, should the City so determine to provide the land.

Also,

J. R. No. 40.

RESOLVED, That the Mayor is hereby authorized and requested to appoint a committee of three architects, said committee to act in an advisory capacity to the Board of Supervisors.

The duties of said Advisory Committee shall be to consult with the Public Buildings Committee of the Board of Supervisors, and to advise with said Public Buildings Committee as to what lands shall be purchased for a Civic Center; how public buildings shall be arranged or grouped upon said Civic Center; and upon other matters appertaining to the construction of a City Hall and Civic Center.

Said Advisory Committee shall proceed upon the understanding that the Board of Supervisors stands committed to the erection of the New City Hall upon the so-called "Old Site", and that lands for a Civic Center shall be purchased within the district bounded by Van Ness avenue, Hayes street, Market street, and Golden Gate avenue.

[The provisions of this Resolution so far as it relates to the site for the City Hall was repealed by Resolution No. 9526 (New Series).]

Acting in accordance with the provisions of Journal Resolution No. 40, the Mayor appointed Messrs. Galen Howard, Fred H. Meyer and John Reed, Jr., a committee to serve in an advisory capacity to the Board of Public Works. (The committee constituted the Bureau of Architecture of the Board of Public Works.)

The following Resolution was also passed:

RESOLUTION NO. 10224. (New Series.)

WHEREAS, The position of Consulting Architect, either to this Board or to the Board of Public Works, in the matter of planning, designing, execution and completion of the Civic Center and the buildings to be erected therein, including the City Hall, requires expert and technical training and high technical skill;

NOW THEREFORE BE IT RESOLVED, That the position of Consulting Architect, either to this Board or to the Board of Public Works, be and hereby is exempted from the condition prescribed by the provisions of Section 2, Article 16, of the Charter, which require all persons appointed to office, positions or employment under the City and County to actually reside, during their respective terms of office or employment, in said City and County of San Francisco, and to have so resided for a period of one year next preceding their appointment; and

WHEREAS, John Galen Howard has had expert and technical training as an architect at the Massachusetts Institute of Technology and the Ecole des Beaux Arts of Paris, and is now and for more than ten years past has been Supervising Architect of the University of California, and is now the Director of the School of Architecture of said University, is a Fellow of the American Institute of Architects, has had twenty years' experience as a practicing architect including service as a member of the Board of Architects of the Pan-American Exposition at Buffalo, and as supervising architect of the Alaska-Yukon-Pacific Exposition at Seattle; and

WHEREAS, Said John Galen Howard does not reside in the City and County of San Francisco;

NOW, THEREFORE, BE IT FURTHER RESOLVED, That said John Galen Howard be and he is hereby exempted from the provisions of Section 2 of Article 16 of the Charter, which require all persons appointed to office, position or employment under the City and County to actually reside, during their respective terms of office, in the City and County, and to have so resided for a period of one year next preceding their appointment;

RESOLVED FURTHER, That in lieu of such residence there shall be and is hereby imposed a certification of the training and experience of said John Galen Howard as aforesaid;

RESOLVED FURTHER, That the affidavit and certificate of said John Galen Howard, this day filed with the Clerk of the Board, be and the same is hereby determined to be sufficient certification of his training and experience.

The sum of $5,000 was set aside and authorized to be expended under the direction of the Public Buildings Committee of the Board of Supervisors to defray the cost of advising the Board of Public Works as to the procedure to be adopted to secure plans and specifications for the proposed City Hall and Civic Center and in all matters appertaining thereto. The sum of $2,500 was also set aside and authorized to be expended by the Board of Public Works under the supervision of the Public Buildings Committee of the Board of Supervisors to defray the cost of examining the foundations of the old City Hall, and in ascertaining structural conditions preliminary to the rection of a new City Hall.

The Board of Supervisors at its meeting held February 13, 1912, passed an ordinance numbered 1797 (new series) calling for a special Bond election to be held on the 28th day of March 1912, for the purpose of submitting to the electors of the City and County of San Francisco, a proposition to incur a bonded indebtedness for the acquisition, construction and completion and equipment by the City and County of San Francisco, of a permanent building or buildings and improvements to be used by the said City and County as a City Hall, and the acquisition of the necessary lands therefor, and for grounds and lands adjacent thereto, for the purpose of creating a Civic Center.

In execution of the foregoing ordinance No. 1797 (new series) and in compliance with the laws of the State and the City Charter the Board of Supervisors on March 4, 1912, passed ordinance No. 1820 (new series) giving notice of a special bond election to be held on March 28, 1912, calling for a special election to incur a bond indebtedness in the sum of $8,800,000, for the purpose of acquiring lands for a Civic Center and the erection of a City Hall.

On Thursday, March 28, 1912, the Bond election was held with the following results. *For* the proposition to incur the bonded debt 45,129, *Against* the proposition 4,035.

The vote polled showed that the question to incur a bnod indebtedness was carried by the people by a large majority, over eleven to one, and warranted immediate and continuous action by the Board of Supervisors for the purchase of the necessary lands for a Civic Center, and the construction of a City Hall.

PURCHASE OF LANDS.

On April 1st, 1912, the Board of Supervisors at its meeting by Resolution No. 9374 (New Series) directed the City Attorney to forthwith institute in the Superior Court of the State of California, condemnation proceedings in eminent domain against the owners of, and all persons having an interest in the certain specific lands described and set forth in the said resolution, constituting 172 suits to acquire approximately 108 pieces of property within the Civic Center, suits entitled City and County of San Francisco vs. Albert Abrahams et al. The lands to be acquired were situated within the following boundaries:

Commencing at the intersection of the Southerly line of McAllister street with the Easterly line of Van Ness avenue, thence Easterly along the Southerly line of McAllister street to the Westerly line of Larkin street; thence Southerly along the Westerly line of Larkin street, to the Northerly line of Hayes street; thence Westerly along the Northerly line of Hayes street to the Easterly line of Polk street; Thence Northerly along the Easterly line of Polk street to the Northerly line of Grove street; thence in a Westerly direction along the Northerly line of Grove street to the Easterly line of Van Ness avenue; thence Northerly along the Easterly line of Van Ness avenue to the Southerly line of McAllister street. Being all of Western Additions Blocks Nos. 2, 3, 4, 66 and 67; also,

Commencing at the intersection of the Northerly line of McAllister street with the Westerly line of Polk street, of dimensions 120 feet frontage on Polk street x 137 feet 6 inches in depth in Western Addition Block 65. Also; Commencing at the intersection of the Northerly line of McAllister street, with the Easterly line of Polk street; thence Northerly on Polk street to the Southerly line of Redwood street; thence Easterly along Redwood street to the Westerly line of Larkin street; thence Southerly along Larkin street to the Northerly line of McAllister street; thence Westerly along McAllister street to the Easterly line of Polk street. Being a portion of W. A. Block No. 5. Also; Commencing at the intersection of the Northerly line of McAllister street with the Easterly line of Larkin street of dimensions 87 feet 6 inches on McAllister street by 87 feet 6 inches on Larkin street. Being a part of Fifty Vara Block No. 316. Also; Commencing at the Southerly line of Grove street with the Westerly line of Polk street of dimensions 110 feet 9½ inches on Grove street by a uniform depth of 137 feet 6 inches on Polk street. Being a part of W. A. Block No. 68. Also;

City Hall Lots Nos. 20, 22, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 72, 74, 76, 84, 88, 90, 92, 96, and parts of City Hall Lots Nos. 16, 17, 18, 19, 21, 23, 39, 41, 43, 45, 47, 49, 69, 71, 73, 80, 82, 84 and 86.

Condemnation proceedings were also instituted for the acquisition of properties bounded by Golden Gate avenue, Redwood street, Larkin and Polk streets, and subsequently dismissed by Resolution No. 9409 (New Series) as follows:

RESOLUTION NO. 9409. (New Series.)

WHEREAS, On the first day of April 1912, the Board of Supervisors of the City and County of San Francisco duly passed, and the Mayor of said City and County of San Francisco duly approved, Resolution No. 9374 (New Series), which said resolution designates the land necessary to be acquired for the purposes of a permanent building or building and improvements to be used by said City and County as a City Hall, and for grounds and lands adjacent thereto for a Civic Center, and which said resolution further empowered and required the City Attorney of said City and County to commence to prosecute an action for the condemnation of the land described in said resolution for said public use and purpose, and

WHEREAS, On the first day of April, 1912, in conformity with the provisions of said Resolution No. 9374 (New Series) the City Attorney of the City and County of San Francisco filed in the Superior Court of the State of California.

in and for the City and County of San Francisco, an action against the owners of the land described in said Resolution No. 9374 (New Series) to condemn the properties therein described, and

WHEREAS, The land described in Subdivision 5 of paragraph IX of said complaint is not immediately necessary or required for the immediate use of said Civic Center.

NOW, THEREFORE, Be It Resolved, That the City Attorney of the City and County of San Francisco be and he is hereby directed and authorized to dismiss the action of condemnation hereinabove referred to as far as the same relates to the defendants Kate C. Marinovich, A. H. Oppenheimer, Ada Johnson, Emma Erzgraber, Minnie Matilda Erzgraber, Isabelle Gillett, The Estate of Katherine Erzgraber, Renee M. Brandenstein, Lester L. Roth, Albert Abrams, Annie E. White, Lotta P. Rossier, Joseph R. Davidson, Samuel J. Davidson, David Davidson, Katherine Farrell and Victor L. Podesta, and also as far as the same relates to the following described lot, piece or parcel of land, namely, that certain lot, piece, parcel or block of land bounded on the North by Golden Gate avenue, on the East by Larkin street, on the South by Redwood street and on the West by Polk street, the same being a portion of Western Addition Block No. 5.

Bonds were ordered sold and the purchase of the required lands was immediately proceeded with.

The Public Buildings Committee of the Board of Supervisors conferred with the owners of the respective properties within the boundary lines of the Civic Center as heretofore authorized and solicited offers for sale to the City. Appraisements of the value of said lands were obtained by the Committee.

Although condemnation proceedings were instituted for the acquisition of each parcel of land, only two suits were determined by the courts, satisfactory and equitable settlements with the various owners having been made by the Public Buildings Committee of the Board of Supervisors. The purchase of the lands and improvements aggregated the following expenditures:

Land purchased including tax settlements	$4,685,575.40
Leasehold interests satisfied	80,632.14
Expenses appraising lands and improvements	18,480.18
Title Insurance Policies	14,453.95
These figures are complete to January 1st, 1918	$4,799,141.67

The lands purchased and included in the above expenditure comprise all of the properties under which condemnation proceedings were instituted, excepting the following parcels, to-wit:

City Hall Lots Nos. 25, 26, 27, 28, 29, 30, 31, 32, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 88, 90, 92, and 96 in whole, and parts of City Hall Lots Nos. 16, 17, 18, 19, 21, 23, 84, and 86.

It is the disposition of the Board of Supervisors to conclude the purchase of these remaining parcels of land when additional funds become available for the purpose of carrying out the completion of the Civic Center as authorized and originally contemplated.

The acquisition of the major portion of these remaining pieces of property by the City will permit the direct extension of Hyde and Leavenworth streets through to Market street. It will be necessary also to construct a main esplanade from Market street into the Civic Center in accordance with the original plans.

SELECTION OF SITE.

Subsequent to the passage of Journal Resolution No. 6, "Declaring it to be the policy of the Board of Supervisors to locate the City Hall on the old site, reconsideration was had. The Supervising Architects prepared two separate

schemes known as A and B respectively. Both schemes were worked out on the assumption that the Civic Center was to be located on and immediately around the old site of the City Hall. On this basis two principle requirements were pertinent at the outset.

First.—The necessity of opening up adequate street circulation around and in part through the old site east of Larkin street, and

Second.—The need of an ample open space to the west of the old City Hall site, around which to group the various contemplated public buildings. The first requirement was met by the proposed extension of Hyde and Grove streets through to Marshall Square, and the extension of Leavenworth street through to Market street, and the opening of a new street as a monumental approach to the City Hall from Market street on the axis of Fulton street produced Easterly through the center of the block between the termination of Marshall Square and McAllister street.

The second requirement was the parking of the two blocks bounded by Larkin, Grove, Polk and McAllister streets.

The plan of the City Hall naturally resolved itself into a rectangular form on the axis of Fulton street with the corners cut off in such a way as to give an imposing appearance. It would further be necessary to extend one corner of the building some distance across City Hall avenue in order to secure simplicity and symmetry of form. The question arose as to whether the best solution had been found for the arrangement of the territory wholly covered within the Civic Center.

Studies were made and scheme "B" presented, which was similar to scheme "A" excepting that it provided for the placing of the City Hall to the West instead of to the East of the proposed opera house and main public library building, or in other words placing the City Hall on Van Ness avenue, and the proposed opera house and library building on the old site of the City Hall.

For the purpose of advice and determination, the Bureau of Architects forwarded the two propositions to various civic organizations of the city as well as to the Architectural Association, asking what scheme in their opinion and judgment would be the best, upon the following points to be considered:

1. Approach to the Civic Center.
2. Architectural effect.
3. Convenience of location.
4. Position of Square.
5. Prevailing direction of our westerly winds in connection with the plaza.
6. Street car system.

The response from the various organizations and architects unanimously favored the scheme of constructing the City Hall on Van Ness avenue, and the opera house and library building on the old City Hall site.

The Board of Supervisors in conformity with the report of the Advisory Architectural Board passed the following resolution:

RESOLUTION NO. 9526. (New Series.)

WHEREAS, The competition of architects for plans and designs for a building for the purpose of a city hall for the City and County of San Francisco, as announced by the Board of Public Works of the City and County of San Francisco on the 29th day of March, 1912, has terminated, under the terms of such announcement, and the judgment and award of the jury provided for in such announcement has been made, and

WHEREAS, The Board of Public Works of the City and County of San Francisco is now ready to proceed with the plans and arrangements for the creation of said City Hall building; and

WHEREAS, The Consulting Architects of the said Board of Public Works have urged and recommended the immediate selection of a site whereon to erect

the principal permanent building to be used by said City and County of San Francisco as a City Hall; and

WHEREAS, The said Consulting Architects have submitted to the said Board of Public Works and to the Board of Supervisors of said City and County of San Francisco two distinct plans or schemes for the location of, and as a site for said City Hall building; and have further recommended and urged the adoption of the plan or scheme designated by them as "Scheme B", which provides for the location and erection of the said City Hall Building on that certain parcel or tract of land bounded on the North by McAllister street, on the East by Polk street, on the South by Grove street and on the West by Van Ness avenue, on the grounds of economy, utility, convenience, expediency and improved architectural effect; and

WHEREAS, It appears that the parcel or tract of land recommended by said Consulting Architects is the best location for the erection of a City Hall building, and that said City Hall building can be constructed thereon at less expense and with greater expediency than on the old or former site of the City Hall and said location will afford greater convenience to the public and will present better architectural advantages than said old or former site of the City Hall; now, therefore

BE IT RESOLVED, That Journal Resolution No. 6, whereby the Board of Supervisors declared itself in favor of the construction of the new City Hall upon the so-called "old site" be and the same is hereby repealed in so far as the same makes a selection of a location or site whereon to erect the new City Hall building; and

BE IT FURTHER RESOLVED, That that certain parcel or tract of land lying within the City and County of San Francisco and bounded by McAllister street on the north, Polk street on the east, Grove street on the south and Van Ness avenue on the west, which said parcel or tract of land includes all of Western Addition Blocks Numbered 66 and 67, and those portions of Fulton street, Ash street and Birch street lying between Polk street and Van Ness avenue, be and the same are hereby declared necessary for the purposes of a location and site for a permanent public building to be used by the City and County of San Francisco as a City Hall and the same is hereby declared to be the place or site whereon said City Hall shall be located and erected.

All resolutions in conflict herewith are hereby rescinded.

Adopted—Board of Supervisors, San Francisco, July 1, 1912.

CLOSING OF CERTAIN STREETS.

Upon the dedication of the lands for a City Hall site, as recited in Resolution No. 9526 (New Series), the Board of Supervisors ordered the closing of Fulton street, and of Ash avenue from the Easterly line of Van Ness avenue to the Westerly line of Larkin street by Resolutions Nos. 9943, 9944, 10123 and 10124 (New Series), as follows:

RESOLUTION NO. 9943. (New Series.)

Resolution of Intention to close Ash street from Van Ness avenue to Polk street.

WHEREAS, A communication from the Consulting Architects of the Board of Public Works was filed January 14, 1913, requesting the closing of Ash street from the easterly line of Van Ness avenue to the westerly line of Polk street; and

WHEREAS, The City and County of San Francisco is the owner of the entire frontage upon Ash street from the easterly line of Van Ness avenue to the westerly line of Polk street; and

WHEREAS, Public interest and convenience would be conserved by such closing and abandonment; therefore be it

RESOLVED, That it is the intention of said Board of Supervisors to close and abandon said portion of Ash street from the easterly line of Van Ness avenue to the westerly line of Polk street and the Board of Public Works is hereby directed to give notice of said contemplated closing and abandonment of said portion of Ash street from the easterly line of Van Ness avenue to the westerly line of Polk street.

RESOLUTION NO. 9944. (New Series.)

Resolution of Intention to close Fulton street from Van Ness avenue to Polk street.

WHEREAS, A communication from the Consulting Architects of the Board of Public Works was filed January 14, 1913, requesting the closing of Fulton street from the easterly line of Van Ness avenue to the westerly line of Polk street; and

WHEREAS, The City and County of San Francisco is the owner of the entire frontage upon Fulton street from the easterly line of Van Ness avenue to the westerly line of Polk street; and

WHEREAS, Public interest and convenience would be conserved by such closing and abandonment; therefore be it

RESOLVED, That it is the intention of said Board of Supervisors to close and abandon said portion of Fulton street from the easterly line of Van Ness Avenue to the westerly line of Polk street; and the Board of Public Works is hereby directed to give notice of said contemplated closing and abandonment of said portion of Fulton street from the easterly line of Van Ness avenue to the westerly line of Polk street.

RESOLUTION NO. 10123. (New Series.)

Closing and abandoning a portion of Fulton street from Van Ness avenue to Polk street.

WHEREAS, This Board by Resolution No. 9944 (New Series), declared its intention to close and abandon a portion of Fulton street; and

WHEREAS, The notice of said Resolution and of said proposed closing and abandoning of said portion of Fulton street, was duly given by the Board of Public Works of this City and County by publication and posting in the manner provided by Section 3 of Chapter 3 of Article VI of the Charter of this City and and County; and

WHEREAS, No protest has been filed against the closing and abandonment of said portion of Fulton street as provided for in the Charter; and

WHEREAS, In the opinion of this Board that the public interest and convenience require the closing and abandonment of said portion of Fulton street; now, therefore be it

RESOLVED, That the said closing and abandonment of said portion of Fulton street from Van Ness avenue to Polk street is hereby ordered, and the said portion of Fulton street is hereby closed and abandoned as a public street.

RESOLUTION NO. 10124. (New Series.)

Closing and abandoning a portion of Ash street from Van Ness avenue to Polk street.

WHEREAS, This Board by Resolution No. 9943 (New Series), declared its intention to close and abandon a portion of Ash street; and

WHEREAS, The notice of said Resolution and of said proposed closing and abandonment of said portion of Ash street, was duly given by the Board of Public Works of this City and County by publication and posting in the manner provided by Section 3 of Chapter 3 of Article VI of the Charter of this City and and County; and

WHEREAS, No protest has been filed against the closing and abandonment of said portion of Ash street, as provided for in the Charter; and

WHEREAS, In the opinion of this Board that the public interest and convenience require the closing and abandonment of said portion of Ash street; now, therefore be it

RESOLVED, That the said closing and abandonment of said portion of Ash street between Van Ness Avenue and Polk street is hereby ordered, and the said portion of Ash street is hereby closed and abandoned as a public street.

ARCHITECTURAL COMPETITION.

The Board of Public Works voted to start competition for the purpose of obtaining the best plans possible for the City Hall.

On the 29th day of March 1912, the Board of Public Works made a public announcement and a formal call was issued to San Francisco architects to file their credentials on or before April 5th, 1912; and further announced that all architects entitled to compete would be given the full programme of the rules adopted to govern the contest to be held on April 8th, 1912, under the following requirements:

First.—The competition to be open to all architects who, on January 1st, 1912, were legally entitled to practice architecture by reason of being duly certificated in accordance with the laws of California, and who maintained an office for such practice in San Francisco on January 1st, 1912, and the competition to be restricted to such architects, and no firm or association of architects formed after January 1st, 1912, or for the special purpose of this competition would be allowed to compete, except with the express knowledge and approval of the consulting architects.

Second.—Architects meeting the conditions of the competition and desiring to compete were required to file a written application with the consulting architects of the Board of Public Works, together with their credentials not later than April 5, 1912.

Third.—The credentials of all applicants would be examined by the consulting Architects, and programmes of the competition would be delivered to all applicants entitled to competition on April 6th, 1912, and such applicants would thereupon be taken to be employed by the City and County of San Francisco for the purpose of the competition, said employment being subject to the terms of the programme.

Fourth.—Applications were to be addressed to the Consulting Architects Board of Public Works, David Hewes Building, San Francisco, California. A set of rules and requirements for the building were also compiled for compliance therewith.

Sections 56 and 64 of the programme appeared as follows:

From the designs which are in accord with this programme the jury will select the one which, in its opinon, is the best and designate it as the "FIRST PRIZE DESIGN." The consulting architects will then, in the presence of the jury, open the sealed envelopes belonging to this design and disclose the name of the author, whereupon the Board of Public Works will engage the author of the "FIRST PRIZE DESIGN" for full architectural services in accordance with the minimum schedule of the American Institute of Architecture hereto attached, with a first payment of $25,000.00 payable within ninety days of the judgment, such engagement being subject however to the contract to be entered into between the Board of Public Works and the architect and to the following conditions,

namely: the Board reserves the right to terminate the employment of the architect at any time on the payment of the amount due under the aforesaid schedule of the American Institute of Architects, and if the Board terminates the employment of the architect before the authorization of working drawings by the Consulting Architects, such payment shall be $21,975.00 in addition to the payment of the $25,000.00 provided for above.

If there are twenty competitors other than the selected city hall architect each shall receive the sum of $1,000.00. If there are less than twenty competitors the sum of $20,000 will be divided equally among them. If there are more than twenty competitors the sum of $1,000.00 will be paid to each of the twenty competitors whose designs are judged the best by the jury after the "FIRST PRIZE DESIGN" and the balance of the competitors shall receive no compensation. The above shall be compensation in full for all services and payable within ninety days after date of award, provided however, that if use is desired to be made of anything which is original as to the competition, contained in any other than the "FIRST PRIZE DESIGN" proper compensation will be made to its author. Should disagreement exist as to the amount of such compensation it shall be determined by a board of arbitration to be made up of one person named by the author of the design, one person named by the Consulting Architects and a third person named by the other two. All costs of the arbitration to be borne equally between the City and the claimant.

Copies of the rules were delivered to 110 architects.

Mr. Walter Cook of New York was selected to act as umpire of the competition.

The jury of award to pass upon and make a selection of the plans submitted, consisted of seven members, namely, the Mayor, one member of the Board of Public Works, one member of the Public Buildings Committee of the Board of Supervisors, the three consulting architects of the city and one other architect selected by the competitors.

The following architects submitted plans in competition:

Herbet A. Schmidt, George William Kelham, A. Lacy Warswick, Cunningham and Polito, Chas. Buckel, Havens and Toepke, Milton Lichtenstein, Edward Kollofrath, E. A. Newmarkel, W. Gardener Mitchell, Reid Bros., Coates and Traver, Henry A. Milton, Bank and Copeland, W. H. Crim, Jr., Wm. A. Newman, Chas. P. Weeks, Shea and Lofquist, Bugbee and Bugbee, Maybeck, Howard and White, J. Walter Dolliver, Edward G. Bolles, W. T. Cuthbertson, McDougall Bros., F. T. de Longchamps, Normand W. Mohr, Bliss and Faville, Chas. Paff, G. Albert Lansburg, Wm. Mooser, Wm. L. Oser, Houghton Sawyer, Bakewell and Brown, Phillip Schwerdt, Ward and Blohme, Glen Allen, Italo Zanolini, Sylvain Schnaittacher, O'Brien and Werner, Edward T. Foulkes, Chas. S. Kaiser, L. B. Dutton, Oscar Haupt, Loring P. Rixford, Wright, Rushford and Cahill, Walter E. Pinkham, Lewis Cowles, E. P. Antonovitch, Earl B. Scott, Chas. F. Whittlesey, Joseph T. Carter, Walter H. Parker, Ralph Warner Hart, Welsh and Carey, Albert Pissis, D. J. Patterson, E. J. Vogel, John Baur, Righetti and Headman, Edward G. Garden, Benj. Geer McDougall, W. L. Wollet, Miller and de Colmesnil, William C. Hayes, McDonald and Applegarth, J. Eug. Freeman, Edw. A. Schumacher, E. S. Lemme, Arthur G. Scholz, Lewis P. Hobart, A. H. Jacobs, J. F. Dunn, W. D. Shea.

On June 20th, 1912, the jury of award announced that the plans submitted by Messrs. Bakewell and Brown were selected.

On June 24th, 1912, the Board of Public Works appointed and authorized Bakewell and Brown to be the architects for the construction of the City Hall.

By Resolution No. 9722 (New Series), passed by the Board of Supervisors and approved by the Mayor October 8th, 1912, Bakewell and Brown were paid the sum of $25,000.00 as first prize. The following architects received $1,000 each as a prize for the next best plans submitted, in accordance with the following Resolution:

RESOLUTION NO. 9623. (New Series.)

RESOLVED, That the sum of $20,000 is hereby authorized and appropriated out of the City Hall Civic Center Building Fund of 1912, for the payment of $1000 each to twenty architects who were awarded competitive prizes by the Jury of Award and by Resolution of the Board of Public Works.

Following are the architects certified to the Board of Supervisors by the Consulting Board of Architects and the Board of Public Works, each of whom is to receive $1000:

George William Kelham, Milton Lichtenstein, Coates & Traver, Chas. Peter Weeks, Shea & Lofquist, Bliss & Faville, William Mooser, William L. Oser, Houghton Sawyer, Ward & Blohme, O'Brien & Werner, Edward T. Foulkes, L. B. Dutton, Ralph Warner Hart, John Baur, Righetti & Headman, W. L. Woollett, Miller and de Colmesnil, William C. Hayes, Lewis P. Hobart.

Finally passed—Board of Supervisors, San Francisco, August 26, 1912.

CONSTRUCTION.

Upon the passage of various Ordinances from time to time by the Board of Supervisors authorizing the Board of Public Works to call for bids and enter into contracts for the construction of the City Hall, contracts were entered into, as follows, deductions and additions being subsequently made for changes and extras as provided for in specifications.

Test Holes—A Paulson, Oct. 9, 1912	$ 1,614.45
Excavating and Grading—Contra Costa Construction Co., March 19, 1913, April 14, 1913	23,652.20
Crushing Stone—Williams and Finnegan, June 20, 1913, July 9, 1913	1,170.00
Foundations—Sound Construction Co., July 14, 1913, July 29, 1913	43,683.00
Furnishing Steel—U. S. Steel Products Co., June 18, 1913	361,190.43
Steel Erection—Blume Const. Co., August 26, 1913	88,448.20
Granite—McGilvray Stone Co., August 30, 1913, Sept. 24, 1913	991,313.00
Masonry—Brandon & Lawson, Sept. 22, 1913	120,300.00
Carving Stone Pedements, etc.—McGilvray Stone Co., Oct. 10, 1913, Oct. 16, 1913	45,931.00
Fireproofing—Clinton Fireproofing Co.—	
Proposition A, Nov. 7, 1913	156,128.00
Proposition B, Dec. 3, 1913	34,675.00
Plumbing—A. Coleman, Jan. 21, 1914	57,504.00
Crushed Brick—Emico Briggio, Dec. 10, 1913	18,755.48
Electrical—Newberry Bendheim Co., March 6, 1914	77,000.00
Heating and Ventilating—Robt. Dalziel, Jr., Feb. 20, 1914	56,496.00
Lathing and Furring—C. Collins, March 18, 1914	55,860.00
Plastering—C. Moorehouse, May 18, 1914	108,200.00
Water Supply—Scott Co., March 6, 1914	13,475.00
Marble—J. Musto Keenan Sons Co., May 6, 1914	234,860.00
Terra Cotta Facings—Brandon & Lawson, Dec. 24, 1913	33,450.00
Marble Bases, Stairs and Steps—Mission Marble Works, July 13, 1914	29,008.00
Interior Stone—McGilvray Stone Co.—	
Proposition A, July 31, 1914	14,000.00
Proposition B, July 31, 1914	138,000.00
Carpentering—Monson Bros.—	
Proposition A, Sept. 16, 1914	40,768.00
Proposition B, Sept. 16, 1914	156,818.00
Sheet Metal—	
Paraffine Paint Co., Proposition No. 1, Nov. 2, 1914	6,582.00
U. S. Metal Products Co., Proposition No. 2, Nov. 2, 1914	66,980.00
Composition Plaster—P. Deneville, Nov. 2, 1914	9,325.00

Dome Covering—Foderer Cornice Works, Dec. 23, 1914		36,687.00
Elevator—Otis Elevator Co., Feb. 26, 1915		34,075.00
Ornamental Iron—Rudgear Merle Co., March 31, 1913		98,850.00
Glazing—		
W. P. Fuller Co., Proposition No. 1, April 28, 1915		19,431.00
Cal. Plate Window Glass Co., Proposition No. 2, April 28, 1915		2,000.00
Hardware—P. A. Smith Co., May 5, 1915		17,125.00
Painting—D. Zelinskey, June 14, 1915		26,000.00
Stationary Wood Furniture—		
R. Brandlein & Co.:		
Proposition No. 1, June 18, 1915		19,990.00
Proposition No. 2, June 18, 1915		21,200.00
L. & E. Emanuel, June 18, 1915		31,958.00
Stationary Metal Furniture—Capitol Sheet Metal Works, July 12, 1915		16,468.00
Vault Work—Herring, Hall, Marvin Co., June 18, 1915		22,593.00
Lighting Fixtures—Leo J. Meyberg Co., July 12, 1915		32,999.00
Grading Around Exterior—Sibley Grading Co., Sept. 13, 1915		1,932.00
Shades—W. & J. Sloane Nov. 3, 1915		1,145.00
Mail Chutes—American Mailing Device Co., Nov. 3, 1915		3,243.00
Clocks—Albert S. Samuels, Nov. 10, 1915		5,787.50
Linoleum—D. N. & E. Walters, $1.32 per sq. yd., Aug. 31, 1915		
Carpet—D. N. & E. Walters, $2.19½ per sq. yd. for approximately 1,500 sq. yds., Dec. 14, 1915		
Carpet and Rugs—W. & J. Sloane, $2.12½ per sq. yd. for approximately 2,000 sq. yds., Dec. 14, 1915		
Sidewalks Around City Hall—J. F. Dowling, March 3, 1916		7,558.50
Lettering Rooms, City Hall—J. Laib, March 10, 1916, approximately		700.00
Models—Bakewell & Brown		2,460.00
Inspection—Board of Public Works		12,000.00
Freight on Steel—		
Western Pacific Co.	$54,997.45	
Southern Pacific Co.	43,502.41	
Santa Fe Ry. Co.	54,707.16	
		153,207.02
Freight on Stone—		
Southern Pacific Co.	$47,095.22	
Santa Fe Ry. Co.	601.92	
		47,697.14

A state wide labor difficulty arose with the stone quarry workers which affected kindred stone crafts. A strike on the exterior stone work was declared on June 1, 1915, which delayed the progress of the outside stone finish of the City Hall, until November 19, 1915, at which time the stone cutters and setters resumed work.

GROUND BREAKING EXERCISES.

Ground Breaking Day for the commencement of work on the construction of the City Hall was held under a special programme on Saturday, April 5th, 1913, at 2 o'clock p. m.

The opening remarks were made by Supervisor J. Emmet Hayden. Addresses were made by Mayor James Rolph, Jr., former Mayor Edw. R. Taylor, Supervisor Ralph McLeran, John Bakewell, Jr., John Galen Howard and City Attorney Percy V. Long. The Municipal Band dispersed music and songs were rendered by school children under leadership of Miss Estelle Carpenter.

The following programme of instrumental numbers was arranged for the ground-breaking:

"The Star Spangled Banner."

March—"Gate City"..... *A. F. Weldon*

Grand Fantasy on "Northern and Southern Melodies"..... *Theo. Bendix*

Introducing the following airs: "Yankee Doodle," Keller's American Hymn, "Maryland, My Maryland," "Old Zip Coon," "Bonnie Eloise," "Reveille," "Tenting on the Old Camp Ground," "Dixie," "Carry Me Back to Old Virginia," "High Level Hornpipe," "Masa's in the Cold, Cold Ground," "Old Dan Tucker," and "The Arkansas Traveler."

Waltz—"Emperor"..... *Johann Strauss*

Scenes from "Faust"..... *Charles Gaunod*

Students' drinking song; duet, Faust and Marguerite; Soldiers' chorus.

Overture—"Dido"..... *Saverio Mercadante*

Song without words—"Fruhlingslied" ("Spring Song") *Felix Mendelssohn-Bartoldy*

Concert piece—"Golden Blonde"..... *R. Ellenberg*

Clarinet solo by J. Kunzelman.

Intermezzo—"In a Pagoda"..... *John W. Bratton*

Variations on "Dixie"..... *Hermann Bellstadt, Jr.*

March, on themes from "Rienzi," arranged by..... *D. W. Reeves*

"America."

Supervisor Paul Bancroft, Chairman of the Committee on Public Buildings of the Board of Supervisors, presented Mayor Rolph with a silver shovel on behalf of the Board of Supervisors. The Supervisors together with former Mayor Taylor were provided with ordinary shovels and followed Mayor Rolph to remove the first load of earth from the City Hall site. Thereafter the work of excavating the site and the construction of the building continued under the contracts let, and on October 25th, 1913, the Corner Stone of the City Hall was laid, account of which appeared in the Municipal Record of October 30th, 1913, as follows:

LAYING THE CORNERSTONE.

The laying of the corner stone of the City Hall in the Civic Center area on Saturday last was attended with appropriate ceremony in the presence of a large throng of cheering and enthusiastic citizens. The exercises, which were held at the northeast corner of the building near Polk and McAllister streets, opened with several selections by the Municipal Band.

John Galen Howard, chairman of Advisory Board of Architects, was master of ceremonies, and first introduced Supervisor George E. Gallagher, who told in concise and graphic form the history of the city's achievements and progress since the dark days immediately following the disaster of 1906. He closed with a glowing tribute to the energy and patriotism of the people of San Francisco, who have made possible the erection of a $3,500,000 home for their public officials.

Then came City Attorney Percy V. Long, who briefly told of the steps leading to the acquisition of the lands upon which the city will have a Civic Center.

Mayor Rolph was next introduced, and was received with an outburst of applause. He spoke as follows:

Mr. Chairman and My Fellow Citizens:

We are here to lay the cornerstone of the building which is to be the official home of the city of San Francisco. This is an event made possible by the liberality, optimism, pride and confidence of our citizens in their own city. Many noble and beautiful buildings have been erected in San Francisco, but this particular one is the result of the expressed desire of our people, that San Francisco shall have a new home of its own.

This cornerstone, which was drawn through our streets to the acclaim of thousands in yesterday's magnficent pageant, is, today, placed as the chief stone of the building which is to be one of the great buildings of the

world; a building which will not only express the highest degree of architectural art and be as firm centuries hence as when first completed, but one, as well, perfectly fitted and equipped for the purpose for which it is designed.

Few of us realize the rapid progress that is being made in the building of this new edifice. Two years ago the present city administration was elected to office, pledged to carry out a certain constructive policy for the advancement of San Francisco. One of its pledges was to build a City Hall convenient for the conduct of public business and a structure of architectural beauty and dignity, expressive of the greatness and good taste of San Francisco, and to be the city's chief architectural adornment.

Within two months after assuming office a bond election was held, carried by practically a unanimous vote, authorizing the expenditure of $8,800,000 for the acquirement of land and for the construction of a new City Hall.

The architects of San Francisco were invited to submit plans in a competition held under the supervision of the city's Architectural Commission, Messrs. John Galen Howard, Fred H. Meyer and John Reid, Jr. After three days of painstaking study, the jury selected the set of drawings submitted by Messrs. Bakewell & Brown of San Francisco.

The land for the Civic Center and the City Hall, surrounding the old City Hall site, has been acquired through the special efforts of the Public Buildings Committee of the Board of Supervisors, consisting of Messrs. Paul Bancroft, George E. Gallagher and Ralph McLeran. The City Attorney, Hon. Percy V. Long, and his able assistants have handled all legal questions in a most admirable manner and without tiresome litigation.

On April 5 of the present year we stood upon this spot and threw the first spadeful of earth, virtually commencing this structure, and we must realize the rapid progress that has been made. It augurs well that such has been the case, and now, in imagination, we see in inspiring admiration the beautiful dome soaring amidst the heavens and the whole an architectural triumph. Our city is the marvel of modern times, with a glorious past and a most promising and brilliant future.

On this occasion, well may we felicitate ourselves upon our achievements. A little more than seven years ago this city was in ashes—Now we have more than recovered ourselves. In place of the buildings destroyed, there have been erected buildings monumental in character and beautiful in design. After the fire, the city found itself destitute of schools, fire houses, police buildings, hospitals, and a City Hall complete in destruction.

These have all been restored except the City Hall, and now we are to have that Hall in perpetual magnificence and we are to have it, besides, as the most important figure of a Civic Center.

If this is not to challenge the admiration of the world, I know not what could do it, and for what San Francisco has done you have but to look around you.

May we, as a city, prove worthy of all these things; may we prove worthy, also, of the spirit of Balboa, Don Gaspar de Portola, and the early pioneers of San Francisco who have builded so well. They have left a splendid heritage in the character, pluck and energy of their descendants, and have set a pace for the ambition of generations to follow, in the upbuilding of a still greater San Francisco.

I am indeed proud to be the Mayor of this municipality, and to have the honor, this day, of laying the cornerstone of its new City Hall.

At the conclusion of his address Mayor Rolph was presented with a silver trowel by John D. McGilvray, who had the contract for the stone work for the City Hall, and with it spread the mortar on which the corner stone rests.

Following are the contents of the copper box, 12 inches high by 12 inches wide with 21 inches long, placed in the cornerstone:

A copy of the Municipal Reports for the fiscal year ending June 30, 1912.

A copy of the city directory of 1913.

A copy of the "Municipal Record" containing account of ceremonies attending breaking of ground for new City Hall on April 5, 1913.

A copy of a reprint of the first directory of San Francisco called "Kimball's San Francisco Directory, 1850, published by Charles Proctor Kimball, September 1, 1850, Journal of Commerce press, Montgomery street." This directory was presented by Miss R. M. Kimball, a daughter of the publisher, who lives at 2922½ Howard street, San Francisco.

Supplied by City Attorney Percy V. Long: A copy of summons and complaint in an action in eminent domain, brought by the City of San Francisco to acquire the land of the Civic Center.

Furnished by Treasurer John E. McDougald, the following coins, all minted in San Francisco: A $20 gold piece of 1911, the latest mintage of this coin; a $10 gold piece of 1913, a $5 gold piece of 1913, $1 silver, 1879, the last year in which silver dollars were minted at San Francisco; a 50-cent piece of 1913, a 25-cent piece of 1913, a 10-cent piece of 1913, a 5-cent piece of 1913, a 1-cent piece of 1913.

Furnished by the Bureau of Architecture: Leather-bound portfolio containing photograph of temporary City Hall at 1231 Market street and photographs of buildings upon the lands acquired for Civic Center and City Hall purposes and other documents.

Furnished by the Panama-Pacific International Exposition Company: Photographs of Charles C. Moore, president of the Panama-Pacific International Exposition Company, and R. S. Hale, commissioner extraordinary to Europe and vice-president of the Panama-Pacific International Exposition Company, and other photographs, pamphlets and documents.

Official souvenir program of the Portola Festival, San Francisco, October 22 to 25, 1913.

Volume in Spanish entitled "Relacion de Los Debates de la Convencion de California, Sobre la Formacion de la Constitucion de Estado, en Setiembre y Octubre de 1849. Por J. Ross Browne." This volume was published by S. W. Benedict, No. 16 Spruce street, New York, 1851, and was furnished by D. Q. Troy.

A list of books, "California and the Pacific," donated by A. S. MacDonald, Mills building, San Francisco.

Copies of the evening papers of San Francisco of October 24, 1913; copies of the Examiner and Chronicle of October 25, 1913, and a copy of the Daily Journal of Commerce of October 24, 1913.

Cards of many of the officials and spectators who were at the ceremony.

Silver match box, the property of the Count de Salazar, the personal representative of the King and Queen of Spain at the Portola Festival.

PERIOD OF CONSTRUCTION.

On April 28th, 1913, the following Resolution was passed by the Board of Supervisors continuing the employment of Bakewell and Brown architects on the City Hall.

RESOLUTION NO. 10136. (New Series.)

RESOLVED, That the Board of Public Works be requested to continue the employment of Bakewell and Brown on the City Hall, as specified under Clause C of the Contract entered into September 25, 1912, between the Board of Public Works and John Bakewell, Jr., and Arthur Brown, Jr., it being understood that said Bakewell and Brown agree to furnish as their portion of superintendence of construction and at their expense, at least one superintendent of construction,

one assistant superintendent of construction and one stenographer in the office of construction of said City Hall, for the term which will complete the construction of the building, but not to exceed three years from May 1st, 1913.

During the process of steel construction on the City Hall, Supervisor Chas. A. Nelson stated on open session of the Board of Supervisors, that he was informed that the steel work being erected in the building was not being done in accordance with the specifications.

Mayor Rolph immediately called for an investigation of the complaint, and the character of the work being performed. The following report of the findings by the Mayor was filed with the Board of Supervisors:

To the Public and the Honorable Board of Supervisors, San Francisco—

In the matter of the charges of Supervisor Charles A. Nelson, against the sufficiency and efficiency of the construction of the new City Hall, and asserting a disregard of specifications in the building.

These charges, presented by Supervisor Charles A. Nelson, were based on a statement furnished to him by one W. W. Breite, a civil engineer.

The testimony of this witness clearly established that his personal examination of the structural iron work of the City Hall had been so limited in time, considering the immensity of the building, that his knowledge must, necessarily, have been superficial.

This witness gave, as the foundation of his expert qualifications, a collegiate course in engineering at Columbia University, New York, but, on examination under oath, when confronted with a list of the graduates of that institution, admitted that he had not attended there in his own name. and refused, positively to tell the public under what name he did attend and graduate.

Notwithstanding the questionable circumstances under which the charges were presented, the importance of the question—the fact that these buildings must be not only the best possible but that the public must be thoroughly satisfied that they are the best possible—caused the Board, and me as Mayor, to ignore the origin of the charges, and to make a full and minute investigation.

At the hearing the best engineering and scientific testimony obtainable in this State was heard, after the witnesses had made a very careful examination of the buildings.

Among others hereafter named were:

Professor Derleth, of the University of California, employed by our State to instruct those who would graduate in engineering at this, our highest educational institution—a man who, throughout the United States, is second to none. And, not to encumber this report with details, the following men of high repute in engineering and construction:

H. J. Brunnier, consulting structural engineer.

Willis Polk, architect.

Edward Noble, iron and steel manufacturer.

It was established by the testimony of these disinterested witnesses that the municipal buildings, now rising, are being erected on the most scientific principles of engineering and in accordance with the best rules of construction; that the material and workmanship are of the highest class; that the people are getting the best for their money; that the trifling alleged defects, selected for criticism by those instigating the charges, are not defects at all, but the ordinary matters, inseperable from any construction whatever—things that appear in all similar buildings, and are only imperfections to the extent that the science of structural engineering is itself imperfect; that they do not constitute weaknesses.

The result of this investigation is that, on the highest testimony obtainable, the people are assured that they are receiving the best work that can be done.

While the results of this investigation are highly satisfactory, it is deeply regrettable that any man, whether connected with the government, or otherwise, should in the hope of obtaining temporary political or other advantage, try to hinder the great and necessary improvement and development of the city that gives them a living, by slandering her efforts to advance.

Until San Francisco can develop a class of public service that will place patriotism above politics and selfishness, her welfare will never be safe and her greatness never be assured.

Respectfully,

JAMES ROLPH, JR.,
Mayor, City and County of San Francisco.

The steel work on the City Hall was completed January 21, 1914. Mayor Rolph ascended the dome and suspended the American flag from its apex, in compliment to the speed exhibited in construction, and for the success attained.

On Tuesday, December 28, 1915, the City Hall was dedicated by Mayor Rolph, Jr., attended by a throng of notables. Incidentally it was declared that the structure would be finally completed within the next forty days.

Supervisor Ralph McLeran was chairman of the day. On the platform with the Mayor were many members of his official family, Arthur Brown, Jr., of the firm of Bakewell and Brown, designers of the building; John Galen Howard, member of the advisory board of architects; Arthur Arlett, representing Governor Johnson; Superior Judge Thomas F. Graham; Count and Countess de Salazar, representing the king and queen of Spain, and many prominent citizens.

Mayor Rolph, in an eloquent speech, recounted the history of San Francisco's public buildings from the year 1869 when steps were taken toward the erection of the city's first City Hall. He declared he was proud to think of his part in the erection of the present structure and it was with a feeling of pride that he took up the duties in his new official residence.

Others who spoke were: Arthur Brown, Jr., John Galen Howard, Arthur Arlett (representing Governor Johnson) and Ralph McLeran.

A gold key was then presented to the Mayor by President Reardon of the Board of Public Works, and after unfurling the American flag over the entrance, the doors were thrown open to the public, and the Mayor was installed in his new office.

Mayor Rolph, with his wife and members of the city administration, spent the remainder of the afternoon in receiving citizens and guests in the sumptuous quarters.

In order that no delay would be occasioned when the City Hall was completed the Board of Supervisors set aside $50,000 annually in the Budget for furnishing and equipping the building for occupancy.

March 1, 1916, was moving day for the City Officials. By March 10, all officers were installed, excepting the Auditor, Treasurer and Recorder, who were housed a few weeks later.

The type of architecture of the City Hall is a combination of classic or monumental and modern office building effect. Its ground area measures 285 feet by 408 feet, being four stories in height, excluding the ground floor. The dome measures 88 feet square at the roof-line, and is 307 feet 6 inches in height from foundation. The chambers of the Board of Supervisors has been made a special feature in architecture, being furnished in Siberian oak, artistically carved. The Mayor's office is also furnished in selected dark oak panelling, creating a beautiful effect. On the main pediment in the rotunda is inscribed the significant words "San Francisco, O glorious city of our hearts, that has been tried and not found wanting, go thou with like spirit, to make the future thine." The building contains 371,317 square feet of working space.

Total cost of construction $3,449,262.84. Cost of Land upon which the building is erected, $1,412,263.36, comprising W. A. Blocks Nos. 66 and 67.

On Thursday, October 5, 1915, all offices and departments in the City Hall were opened for public inspection.

Profuse floral decoration and music predominated throughout the building. All city officials acted as hosts, and spared no efforts in acquainting the public with its modern facilities.

The initial meeting of the Board of Supervisors in its new chambers in the City Hall was held Monday, October 9, 1916.

CIVIC AUDITORIUM.

Complying with the provisions of Journal Resolution No. 39 of the Board of Supervisors reciting "That it is of the greatest importance that immediate information be furnished the Board of Supervisors, as to the number, character, and purposes of proposed buildings that are likely to be placed in the Civic Center group; the Panama-Pacific International Exposition Company was requested to furnish definite proposals and information as follows:

First.—Whether the Pacific International Exposition Company would erect an Auditorium in the Civic Center, provided the people of the city vote to acquire lands upon which an auditorium may be erected, and, provided a sufficient area in the proposed Civic Center be set aside.

Second.—Whether the said Exposition Company would convey to the City and County of San Francisco all right, title and interest in said proposed auditorium after the close of the exposition of 1915.

Third.—Requesting the said Exposition Company to state how much money it would set aside and appropriate for the erection of an auditorium on land to be provided by the city, should the city so determine to set aside such land.

In response the Panama-Pacific International Exposition Company filed a communication with the Board of Supervisors giving notice that it had set aside $1,000,000.00 for the construction of an auditorium in the Civic Center on lands to be provided by the city.

Mayor Rolph called upon the Exposition directors and served formal notice that the city was prepared to open negotiations in regard to the construction of the auditorium.

On August 19, 1912, the following resolution was passed by the Board of Supervisors:

RESOLUTION NO. 9611. (New Series.)

WHEREAS, The Board of Directors of the Panama-Pacific International Exposition Company on June 26th, 1912, adopted the following:

WHEREAS, The Panama-Pacific International Exposition Company has set aside $1,000,000 for the erection of a monumental auditorium in the Civic Center on land to be supplied by the City and County of San Francisco.

WHEREAS, It is desirable that plans for this auditorium shall be prepared immediately so that the building may be completed at the earliest possible date.

WHEREAS, A harmonious program and plan of action has been agreed upon by the Buildings and Grounds Committee of the Panama-Pacific International Exposition Company, and the Building and Exposition Committees of the Board of Supervisors.

BE IT RESOLVED, That the Panama-Pacific International Exposition Company hereby requests the City of San Francisco to designate its Advisory Board of Architects as the architects to prepare plans for said auditorium, which plans shall be for a building that will harmonize with all other Civic Center buildings

and in the preparation of these plans the Advisory Board of Architects or architect in charge shall be advised and instructed by the Panama-Pacific International Exposition Company as to the interior arrangement and space allotments in the said auditorium. The draughting expense of said Board of Architects in the preparation of said plans and specifications to be borne by the Panama-Pacific International Exposition Company out of the $1,000,000 set aside by the Exposition Company for the purpose of erecting the auditorium, it being understood that the expense of such architects shall not exceed $40,000.00.

BE IT FURTHER RESOLVED, That when the plans for the auditorium shall have been approved by the Board of Supervisors of the City and County of San Francisco and the Panama-Pacific International Exposition Company, contracts for the construction of said auditorium shall be let by the Exposition Company and the work of construction conducted by the Panama-Pacific International Exposition Company.

Respectfully,

R. J. TAUSSIG, Secretary,
By JOS. M. CUMMING, Assistant Secretary.

NOW THEREFORE BE IT RESOLVED by the Board of Supervisors of the City and County of San Francisco, that the Board of Public Works be directed to cause to be prepared plans, detail drawings and specifications for said auditorium building, in accordance with the resolution adopted by the Panama-Pacific International Exposition Company.

BE IT FURTHER RESOLVED, That it is the intention of the Board of Supervisors to set aside and designate as the site for said auditorium the block of land situate between Hayes, Grove, Larkin and Polk streets, and known as the "Mechanics Library Lot," when the same shall have been purchased and made available for said purpose.

The Block of land bounded by Hayes, Grove, Larkin and Polk streets, and known as the "Mechanic's Institute Library" site was purchased by the city and the total of the City's subscription to the auditorium was as follows:

For Land	$ 700,000.00
For Rebate Taxes	1,437.08
For Titles	2,137.00
For Appraisements	75.00
For Granite Facings	210,024.00
	$ 913,671.08
Exposition Company Building and Furnishings	1,116,873.61
Total Cost	$2,030,544.69

In accordance with the provisions of Resolution No. 9611 (New Series) of the Board of Supervisors, the Advisory Board of Architects of the City and County proceeded with the preparation of plans for the Auditorium, on lines to harmonize with all other Civic Center buildings, being advised by the Exposition Company as to the arrangements and space allotments in the building.

The expense of the Advisory Board of Architects in the preparation of these plans and specifications was borne by the Exposition Company out of the million dollars set aside by it, in a sum not to exceed forty thousand dollars.

After the plans and specifications were approved by the Panama-Pacific Exposition Company and the Board of Supervisors, contracts were let for the construction of the building as follows:

Grading and Concrete—To Lindgren Co., July 1st, 1913, for	$ 70,000.00
Furnishing Steel—U. S. Steel Products Co., July 1st, 1913, for	164,835.00
Steel Erection—Blum Contracting Co., July 25, 1913	40,240.00
Plumbing—Fred Snook and Son, Nov. 8, 1913	20,277.00
Heating and Ventilating—Atlas Heating and Vent. Co., Nov. 17, 1913	54,977.00
General Construction—Lindgren Co., Dec. 5, 1913	711,714.00
Electric Wiring—Newberry-Bendheim Co., Dec. 5, 1913	16,555.00
Chairs—Haywood Bros. & Wakefield, August 18, 1914	18,500.61
Lighting Fixtures—Roberts Manufacturing Co., Oct. 21, 1914	14,275.00
	$1.116.873.61

These amounts were the estimates made at the time of awarding of the contracts. Deductions and additions for extras were subsequently made. Other smaller contracts were subsequently let.

The original plans and specifications prepared for the auditorium did not provide for granite stone in its construction in order to keep within the million dollars appropriated and allowed by the Exposition Company.

It became obvious that the building should be finished with granite to harmonize with other public buildings proposed to be erected within the Civic Center. To procure this harmony at least in the front facade of the building facing the Civic Center plaza, the Board of Supervisors appropriated the sum of $210,024 to finish the front facade in California granite as provided by Ordinance No. 2928 (New Series).

The corner stone of the auditorium was laid April 23, 1914, with appropriate ceremony. Mayor James Rolph, Jr., and Chas. C. Moore, President of the Panama-Pacific Exposition Co. officiated.

AUDITORIUM COMPLETED.

On Saturday evening, January 9th, 1915, a magnificent masque ball was held in the Auditorium under the management of the Exposition Company announcing the official opening and dedication of the building.

The building covers a ground area of 99,849 square feet, and is four stories in height, with its main facade on Grove street, facing the Civic Center plaza. The large hall, or auditorium proper, with its gallery forms a maltese cross. The east, north and west arms occupy the gallery which extends thirty-two feet over the main floor, and has a maximum width of 254 feet; whilst the south arm contains the organ loft provided to hold the world's greatest organ. The main hall contains a level floor area of 38,880 square feet, with a seating capacity of 5,000 people, while the gallery can accommodate 5,000 people additional. The dome measures 190 feet in diameter. The void in the main hall raises 120 feet above the level of the floor to the apex of the dome, its greatest width from east to west being 254 feet. The roof is supported by eight columns and allows a clear span of 190 feet. Daylight is admitted through a central octagonal lantern measuring 40 feet in diameter, which also contains three auxiliary ceiling lights, one above each gallery recess. On the east and west sides of the main hall on the first floor there is a minor hall, each of equal dimensions measuring 53 by 136 feet. These halls connect with the main hall, have exits on Larkin and Polk streets and each can comfortably accommodate 500 people at banquet tables, or 1,200 persons seated as an audience. The floors of these halls, like the main floor, are of maple. The third and fourth floors of the east and west wings contain secondary halls of large proportions, and are reached by broad and commodious stairways in addition to four passenger elevators placed in the front of Grove street entrances, and two freight elevators at the rear or Hayes street side of the building. The basement containing a large kitchen as well as storage and engine room

facilities, is reached by two inclines arranged for the entrance of vehicles at Larkin street and at Polk street, on the Hayes street side of the building. There is also an interior entrance to the basement from the main floor by incline under organ loft, as well as by two stairways. The building is well provided with toilet facilities, hat and cloak rooms, telephone, telegraph and emergency hospital service. The entire lighting has been made a special feature. The building has been erected with every precaution taken for the safety and comfort of large gatherings of people, and by means of broad and extensive corridors, stairways and many exits, congestion and the possibility of panic is avoided. In the construction of the building provision has been made for future substitution of granite stone for brick, on the east, west and south elevations when the funds for such purpose will permit. It is generally conceded that the auditorium ranks as one of the finest buildings of its character in America, and possibly unsurpassed by any other auditorium in the world.

The management of the Auditorium under an agreement was vested in the Panama-Pacific Exposition Company until the close of the Exposition on or about December 4, 1915, when its supervision was vested in the city, and the Board of Supervisors passed the following resolution presented by Supervisor Bancroft:

J. R. No. 2009.

WHEREAS, It has been decided by his Honor the Mayor to dedicate the Exposition Auditorium on behalf of the City and County of San Francisco on Thursday evening, December 30, 1915, therefore be it

RESOLVED, That the Exposition Auditorium be reserved for the above date under a free rental for the City and County for the purposes of holding the proposed dedicating ceremonies.

On Thursday evening, December 30, 1915, dedication ceremonies were held under the following programme:

March—"National Salute".....*Floyd P. St. Clair*
Overture—"The Hermit's Bell".....*A. Maillart*
Municipal Band—Direction of John A. Keogh.
8:30 P. M.
"The Heavens Are Telling".....*Handel*
Municipal Chorus—Wallace A. Sabin, Conductor; Benjamin Moore, Piano.
Address—Hon J. Emmet Hayden, Chairman.
Address—Member of the State Exposition Commission.
Solo—Aria from "Hamlet".....Thomas
Mme. Bernice de Pasquale.
Achille Artigues, Accompanist.
Address—John Galen Howard, Member of Board of Consulting Architects.
Address and Formal Presentation of the Exposition Auditorium to the City and County of San Francisco—Mr. Charles C. Moore, President of the Panama-Pacific International Exposition.
Address and Acceptance of Same—Hon James Rolph, Jr., Mayor of the City and County of San Francisco.
(a) "Hallelujah Chorus" from "The Messiah".....
(b) "Gloria," Mozart's Twelfth Mass.....
(c) "Star Spangled Banner".....
The Municipal Chorus and The Municipal Band

The building houses the third largest pipe organ in the world, and was presented by the P. P. I. Exposition Co. to the city. The largest pipe of the organ is the double open diapason and weighs 1,300 pounds and is thirty-two feet in length. The organ weighs approximately forty tons. There are about 100 miles

of wire used in electric circuits. Over ten tons of metal is used in its construction, consisting of platinum, silver, brass, copper, lead, steel, bronze and aluminum. Upward of 30,000 feet of lumber was used, consisting of ebony, walnut, oak, birch, maple, whitewood, pine and cherry. Solid ivory is used for the draw stop heads and keys. The organ was built by the Austin Organ Company, and cost $80,000. It required twenty-five truck-loads to transport it to the Auditorium, and now rests on a specially constructed platform. The present value of the organ and its installation is approximately $105,000.

MUNICIPAL OPERA HOUSE.

In acquiring a Civic Center for the purpose of grouping the Public Buildings of San Francisco, it was early conceived in the minds of the City Officials that the erection of a Municipal Opera House would be a valuable acquisition for the education and musical edification of the public.

It was the disposition and intent of the Board of Supervisors to set aside and dedicate a portion of the old City Hall site for opera house purposes, provided, public subscriptions would erect the building, and accordingly passed the following ordinance:

BILL NO. 2728. ORDINANCE NO.2480. (New Series.) Setting aside a block of land in the Civic Center for an Opera House.

Be it ordained by the People of the City and County of San Francisco as follows:

Section 1. WHEREAS, The City and County of San Francisco is now establishing a Civic Center in the district bounded by Market street, Golden Gate avenue and Franklin street, and has acquired land in the said district for the purpose of said Civic Center and is now constructing within said Civic Center a City Hall; and

WHEREAS, The Panama-Pacific International Exposition is erecting an auditorium within said district upon lands belonging to the City and County of San Francisco, which auditorium will, at the expiration of the Panama-Pacific International Exposition, be turned over to the City and County of San Francisco; and

WHEREAS, It is further proposed that the State of California erect a State building within said district, and provision has been made by the Legislature of the State of California for the holding of an election for the purpose of voting bonds for the erection of such State building; and

WHEREAS, The Library Trustees of the City and County of San Francisco are about to commence the construction of a public library within said district; and

WHEREAS, All of the aforesaid buildings will be monumental in structure; and

WHEREAS, It is one of the duties of a municipality to provide for the education of its inhabitants and to furnish its inhabitants with the means whereby such education can be had; and

WHEREAS, The welfare and education of the citizens of the City and County of San Francisco can be promoted by providing an opera house wherein musical and dramatic compositions, operas and symphonies can be given, and a school and conservatory for the education of the inhabitants of the City and County of San Francisco in music can be established, and the creation and production of operas, musical dramas and compositions encouraged; and

WHEREAS, A suitable and convenient location for an opera house is in the Civic Center; and

WHEREAS, An opera house in the Civic Center, in conjunction with the other buildings which it is proposed to erect therein, is an appropriate building for said Civic Center; and

WHEREAS, It is necessary, in order to carry out the plans prepared by the Consulting Architects of the City and County of San Francisco, for the establishment and creation of a Civic Center, that a building monumental in character be constructed on the lot of land, hereinafter described, within the boundaries of the Civic Center;

NOW, THEREFORE, The hereinafter described property, situate within the Civic Center, is hereby set aside as the site for an opera house;

All that certain lot, piece or parcel of land situate, lying and being within the City and County of San Francisco, particularly described as follows, to-wit:

Commencing at a point formed by the intersection of the easterly line of Larkin street and the northerly line of Grove street extended easterly), and running thence northerly along the easterly line of Larkin street two hundred and seventy-five (275) feet; thence at a right angle easterly four hundred and twelve (412) feet six (6) inches to the westerly line of Hyde street (extended southerly); thence at a right angle southerly along said line of Hyde street (so extended) two hundred and seventy-five (275) feet to the northerly line of Grove street (so extended); and thence at a right angle westerly along said linge of Grove street (so extended) four hundred and twelve (412) feet six (6) inches to the said easterly line of Larkin street and the point of commencement.

Section 2. WHEREAS, There are at present no funds of the City and County of San Francisco available for the construction of a suitable opera house on said site; and

WHEREAS, Section 1 of Article 1 of the Charter provides that the City and County of San Francisco may receive bequests, gifts and donations of all kinds of property in fee simple or in trust and do all acts necessary to carry out the purposes of such gifts, bequests and donations, with power to manage, sell, lease or otherwise dispose of the same in accordance with the terms of the gift, bequest or trust; and it is further provided in Subdivision 30 of Section 1 of Chapter 11 of Article II of the Charter that the Board of Supervisors shall have power to provide for the execution of all trusts confided to the City and County; and

WHEREAS, There are public spirited citizens of the City and County of San Francisco desirous and willing to donate to the City and County of San Francisco funds in trust for the construction of an opera house, and upon conditions which will fully secure the construction and maintenance on said lot of land an opera house and musical advantages and education to the inhabitants of the City and County of San Francisco;

NOW, THEREFORE, The Public Welfare Committee of the Board of Supervisors is hereby authorized to obtain from such public spirited citizens offers of donations of funds and architectural plans for the construction of an opera house on said lot of land upon terms and conditions acceptable to the Board of Supervisors of the City and County of San Francisco.

Section 3. This Ordinance shall take effect and be in force immediately.

Finally Passed—Board of Supervisors, San Francisco, October 14, 1913.

The San Francisco Musical Association became interested in the achievement. and after advising the Board of Supervisors of its action the following Resolution was passed:

J. R. No. 532.

WHEREAS, The chairman of the Public Welfare Committee has been advised by the officers of the San Francisco Musical Association that the full sum of seven hundred and fifty thousand dollars ($750,000.00) has been subscribed for the purpose of the erection of a municipal opera house upon a portion of the proposed Civic Center to be devoted to that purpose; and

WHEREAS, An agreement has been prepared between the said San Francisco Musical Association and the City and County of San Francisco, providing for the erection of the said municipal opera house; it is therefore

RESOLVED, That the City Attorney be, and he is hereby requested to prepare and to submit to the Board of Supervisors such ordinances or resolutions as may be necessary to authorize the proper execution and delivery of the aforesaid agreement by the City and County of San Francisco.

Adopted December 10, 1912.

In order to test the validity of the proposed undertaking a friendly suit was instigated in the courts, and upon the ruling of the Supreme Court that the agreement entered into between the City and County and the Musical Association of San Francisco was in confliction with our City Charter and the General Laws of the State of California, and consequently could not be upheld. The Board of Supervisors thereupon passed the following Resolution:

RESOLUTION NO. 10235. (New Series.)

WHEREAS, The Supreme Court of the State of California has decided that the agreement entered into on February 3, 1913, between the "Musical Association of San Francisco" and the City and County of San Francisco, providing for the erection of an Opera House in the Civic Center, is in contradiction of our Charter and the general laws of the State of California, and for that reason cannot be upheld; and

WHEREAS, The Board of Supervisors has purchased sufficient property in the Civic Center to provide an entire block of land as a site for the proposed Opera House; and

WHEREAS, Said Board of Supervisors is of the opinion that San Francisco's Civic Center will not be complete without the Opera House—a proposed million dollar building offered as a gift to the City by generous citizens of San Francisco; therefore be it

RESOLVED, That the Board of Supervisors requests the City Attorney to confer with the attorneys of the "Musical Association of San Francisco," in order that an agreement may be drawn up that will meet with the approval of the directors, members and subscribers of the Musical Association of San Francisco; and also an agreement that, in the opinion of said attorneys, can be sustained by the Courts of this State.

Adopted—Board of Supervisors, San Francisco, June 16, 1913.

ORDINANCE NO. 2503. (New Series.) Accepting the offer of the Musical Association of San Francisco of a gift or donation for the building and equipping of a Municipal Opera House, was vetoed by the Mayor.

COMMITTEE ON COMPLETION OF CIVIC CENTER.

Supervisor Power presented:

Resolution No. 13476 (New Series), as follows:

WHEREAS, The people of San Francisco have generally voiced their appreciation and approval of the construction and completion of the City Hall; and

WHEREAS, Another and suitable building is urgent and necessary to complete and round out the Civic Center; and

WHEREAS, A County Building, wherein may be displayed the products and industries of the several counties of the State, or an Opera House, would be a much desired and notable acquisition to our Civic Center; therefore be it

RESOLVED, That the Mayor be and he is hereby requested to appoint a committee of five whose duty it shall be to investigate and report to this Board a plan

whereby the construction of the last necessary building to complete the Civic Center may be financed.

PUBLIC LIBRARY AND READING ROOM.

On December 10, 1913, a Charter election was held and an amendment known as Charter Amendment No. 1, was passed by the people.

The Charter Amendment added a new section to the Charter known as Section 10, Chapter 2, Article 2, authorizing the Board of Supervisors to acquire and dispose of lands for Civic Center purposes, and exchange parcels of land with the Board of Trustees of the Public Library and Reading Rooms.

In accordance with the authority vested, the Board of Supervisors passed the following Ordinance:

BILL NO. 2388. ORDINANCE NO. 2155. (New Series.) Providing for the exchange, with the Board of Trustees of the Public Library and Reading Rooms, of lands for library and reading room purposes and transferring the use and control of a portion of the lands of the Civic Center to said Board of Trustees in exchange for the former library site in Western Addition Block No. 73, and authorizing the Board of Trustees of the Public Library and Reading Rooms to undertake and proceed with the erection, construction and equipment of a library building on said lands of the Civic Center.

WHEREAS, The Board of Trustees of the Public Library and Reading Rooms of San Francisco did, by a Resolution duly and regularly adopted on the 25th day of January, 1913, request the Board of Supervisors to transfer to them the use and control of certain lands lying within the Civic Center in exchange for Western Addition Block No. 73, which said Resolution was as follows, viz.:

RESOLUTION NO. ——.

WHEREAS, The City and County of San Francisco has established a Civic Center wherein to place and group the public buildings of said City and County; and

WHEREAS, The block of land bounded by Hayes street, Franklin street, Fell street and Van Ness avenue, known as Western Addition Block No. 73, was acquired by said City and County for the use of the Board of Trustees of the Public Library and Reading Rooms of San Francisco and was by said City and County placed under the control of said Board of Trustees; and

WHEREAS, The Board of Trustees of the Public Library and Reading Rooms of San Francisco are desirous of erecting a building for a public library and reading room on a portion of the lands within the boundaries of the Civic Center rather than on the lands of said Western Addition Block No. 73;

NOW, THEREFORE, Be it Resolved, that the Board of Trustees of the Public Library and Reading Rooms of San Francisco do hereby request the Board of Supervisors of the City and County of San Francisco to transfer and set aside to the said Board of Trustees the use and control of the following described block or lot of land for library and reading room purposes, viz.:

That certain block, piece or parcel of land commencing at a point formed by the intersection of the easterly line of Larkin street with the southerly line of McAllister street and running thence easterly along said southerly line of McAllister street, 412 feet 6 inches to the westerly line of Hyde street extended; thence at a right angle southerly along said westerly line of Hyde street extended 275 feet; thence at a right angle westerly 412 feet 6 inches to the said easterly line of Larkin street, and running thence northerly and along said easterly line of Larkin street 275 feet to the said southerly line of McAllister street and the point of commencement; being a portion of City Hall Reservation;

AND BE IT FURTHER RESOLVED, That the Board of Trustees of the Public Library and Reading Rooms of San Francisco hereby agree and consent to relinquish the use and control of said above described Western Addition Block No. 73, heretofore set apart for its use, in event said Board of Supervisors exchange said block of land in the City Hall Reservation, herein above described, for said Western Addition Block No. 73, provided that the temporary library building and its appurtenances now standing on said Western Addition Block No. 73 be permitted to remain, on the land now occupied by the same, under the control of said Board of Trustees until such time as a building may be erected and completed for library and reading room purposes on the block of land in the City Hall Reservation heretofore requested to be transferred to said Board of Trustees.

BE IT ORDAINED BY THE PEOPLE OF THE CITY AND COUNTY OF SAN FRANCISCO AS FOLLOWS:

Section 1. That the use and control of following described block or parcel of land, namely; that certain block, piece or parcel of land commencing at a point formed by the intersection of the easterly line of Larkin street with the southerly line of McAllister street and running thence easterly along said southerly line of McAllister street 412 feet 6 inches to the westerly line of Hyde street extended; thence at a right angle southerly along said westerly line of Hyde street extended 275 feet; thence at a right angle westerly 412 feet 6 inches to the said easterly line of Larkin street, and running thence northerly and along said easterly line of Larkin street 275 feet to the said southerly line of McAllister street and the point of commencement; being a portion of City Hall Reservation.

Be and the same is hereby transferred to the Board of Trustees of the Public Library and Reading Rooms of the City and County of San Francisco for purposes of erecting, construction and maintaining a library building and reading room thereon, and the Board of Trustees of the Public Library and Reading Rooms to undertake to, and proceed with the erection, construction and equipment of a library building on said portion of the City Hall Reservation, the expense of said erection, construction and equipment to be paid for out of the funds of the bond issue for library purposes and the funds given for library purposes by Andrew Carnegie.

Provided, however, that the exterior architectural design and form of, and the nature, style and quality of the materials used upon the exterior of the structure or building erected on the above described block of land for library and reading room purposes shall conform to the other public buildings in the course of erection or to be erected, in the Civic Center, and the plans and specifications for such exterior architectural design and form, including the nature, style and quality of the materials to be used in construction, shall be submitted to the Board of Supervisors of the City and County of San Francisco for approval, and shall be approved by the said Board of Supervisors before construction is commenced, which said approval shall be manifested by a Resolution adopted by said Board of Supervisors, and said building must be built in accordance with the plans and specifications as approved.

And provided, further, that the parking around and approaches to said library building shall conform generally to the plans of said Civic Center as adopted by said Board of Supervisors and shall be approved by said Board of Supervisors.

Section 2. That the use and control of following described block, piece or parcel of land, including improvements, commencing at the point formed by the intersection of the southerly line of Hayes street with the westerly line of Van Ness avenue and running thence westerly and along said southerly line of Hayes street 384 feet 9 inches to the easterly line of Franklin street; thence southerly along said easterly line of Franklin street 275 feet to the northerly line of Fell

street; thence easterly along said northerly line of Fell street 384 feet 9 inches to the westerly line of Van Ness avenue, and thence northerly and along said westerly line of Van Ness avenue 275 feet to the said southerly line of Hayes street and the point of commencement. Being all of Western Addition Block No. 73.

Be and the same is hereby transferred from the control of the Board of Trustees of the Public Library and Reading Rooms of the City and County of San Francisco to City and County of San Francisco for such use or uses as may hereafter be determined by the Board of Supervisors.

Provided, however, that the building or structure now standing on said described premises and now used by the Board of Trustees of the Public Library and Reading Rooms of the City and County of San Francisco shall remain on said premises subject to the uses of said Board of Trustees of the Public Library and Reading Rooms for library and reading room purposes until such time as a library building shall be constructed on the block, piece or parcel of land first in this Resolution described, for the uses and purposes of said Board of Trustees of the Public Library and Reading Rooms.

Section 3. This Ordinance shall take effect immediately.

Finally passed—Board of Supervisors, San Francisco, February 3, 1913.

The Trustees of the Public Library immediately proceeded with the preparation of plans and specifications for the new building. These plans and specifications were approved by the Board of Supervisors on October 19, 1914, by Resolution No. 11,240 New Series.

George W. Kelham was selected as the architect of the building, and the general contract for its construction was awarded to the Lindgren Co.

Ground was broken for the building in March, 1915, and the steel erection commenced in August, 1915.

The corner stone was laid April 15, 1916. The building was dedicated and opened to the public on Thursday, February 15, 1917. Addresses were made by Joseph O'Conner, president of the Board of Library Trustees, R. B. Hale, Trustee, George W. Kelham, architect of the building, and Hon. James Rolph, Jr., Mayor of San Francisco. An original poem was read by Edward Robson Taylor of the Board of Trustees, and the anthem "America" rendered by the audience.

It is generally conceded that the building, with its modern library facilities, is unexcelled.

The building is situated at the intersection of the Easterly line of Larkin street with the Southerly line of McAllister street, its main facade being on Larkin street facing the Civic Center Plaza. Its Northerly, Southerly and Easterly sides are entirely unobstructed, its Southerly side borders the broad esplanade of the Civic Center. The building is ideally located for light and air. The building has a frontage of 190 feet, is 305 feet in depth and is entirely of fire proof construction. Its steel frame is faced with California white granite to harmonize with the City Hall and other Civic Center buildings.

The main stack room has a capacity for 500,000 volumes with arrangement for further increase when desired.

The main reading room is 36x195 feet, with capacity for 25,000 volumes. The reference room is 30x100 feet and has capacity for 15,000 volumes. The main delivery room is 65 feet square and 42 feet in height. The entrance vestibule and staircase as well as the main delivery room is designed with a combination of Travertine marble imported from Italy and some imitation marble. The floors are laid in Travertine marble. The general artistic treatment of the reading and reference rooms is carried out in old Italian style. These rooms also contain two large mural paintings by Mr. Frank DuMond, representing some of the early history of San Francisco.

The exterior and interior of the building architecturally is in Italian Renaissance.

One of the exceptional features of the library is a spacious music room containing a large assortment of music, with piano accommodation for the public. Rest rooms, dining room and kitchen facilities have been provided for the women attendants. The meeting rooms and executive quarters of the Trustees and Secretary are commodious and artistically embellished. The lighting, heating and ventilating systems throughout the building provide the greatest degree of efficiency.

The building fully completed with furnishings and equipment cost $1,153,000.00, of which amount the city subscribed $778,000.00 and the balance, $375,000,00, by the Carnegie Bequest.

A portion of the old library site being, Western Addition Block No. 73, was transferred to the Board of Education, and the San Francisco High School of Commerce, which stood at the north line of Grove street, west of Larkin street, in the Civic Center, costing $254,000 to build, was removed to the new site at the northeast corner of Franklin and Fell streets in accordance with the following Ordinance:

BILL NO. 2355. ORDINANCE NO. 2123. (New Series.) Ordering the moving of the High School of Commerce building situate on the north line of Grove street between Larkin and Polk streets, to other properties of the City situate at Fell and Franklin streets, and known as "Library Site," in accordance with plans and specifications prepared therefor by the Board of Public Works, which specifications are hereby approved; authorizing and directing the Board of Public Works to enter into contract for the moving of said school building and authorizing progressive payments during the progress of said work.

Be it Ordained by the People of the City and County of San Francisco as follows:

Section 1. The Board of Public Works is hereby authorized, instructed and empowered to enter into contract for the moving of the "High School of Commerce" building situate on the north line of Grove street between Larkin and Polk street to other properties of the City situate at Fell and Franklin streets, and known as "Library site," in accordance with plans and specifications prepared therefor under the direction of said Board, which specifications are hereby approved and filed in the office of the Board of Supervisors.

Section 2. Said Board of Public Works is hereby authorized and permitted to incorporate in the contract for the moving of said school building conditions that progressive payments shall be made in the manner set forth in said specifications on file in the office of said Board of Public Works and in the office of the Board of Supervisors.

Section 3. This Ordinance shall take effect immediately.

The contract for the removal of the school building, in its entirety, was awarded to the Sound Construction Co. for the sum of $151,000.00. The building of steel and brick construction weighed approximately 7,000 tons was moved without the slightest injury to its construction, which result is considered to be an exceptional engineering achievement..

STATE OF CALIFORNIA BUILDING.

The State of California owned the certain lot of land situated in the Civic Center, at the northeast corner of Fulton and Polk streets of dimensinos 100x120 feet. The City found it necessary to utilize this property as part of the Civic Center plaza., and agreed to exchange with the State the land at the northerly line of McAllister street extending from Larkin to Polk streets, and having a

depth of 120 feet back to Redwood street. Accordingly the Board of Supervisors passed the following Ordinances:

BILL NO. 3177. ORDINANCE NO. 2894. (New Series.) AUTHORIZING THE MAYOR TO EXECUTE DEED TO STATE OF CALIFORNIA FOR CERTAIN CITY PROPERTY ADJACENT TO THE CIVIC CENTER IN EXCHANGE FOR PROPERTY OWNED BY THE STATE AND LOCATED WITHIN THE CIVIC CENTER.

Be it Ordained by the People of the City and County of San Francisco as follows:

WHEREAS, By Article II, Chapter II, Section 10 of the Charter of this City and County the Board of Supervisors is authorized to convey to the State of California a parcel of land located within a district described in said section for the purpose of the erection of a State building thereon, and in consideration therefor to receive from the State of California any parcel of land within such district now owned by the State;

AND WHEREAS, At the last session of the Legislature (Statutes of California, 1913, page 70), there was regularly enacted by the Legislature an act giving the consent of the State of California to exchange with the City and County of San Francisco a certain lot or parcel of land situate in the City and County of San Francisco and described as follows, said lot belonging to the State of California:

Commencing at a point formed by the intersection of the easterly line of Polk street with the northerly line of Fulton street, and running thence northerly along said easterly line of Polk street 120 feet to the southerly line of Ash street; thence at a right angle easterly along said southerly line of Ash street 100 feet; thence at a right angle southerly 120 feet to the northerly line of Fulton street; thence at right angle westerly along said northerly line of Fulton street 100 feet to the said easterly line of Polk street and point of commencement. Being a portion of Western Addition, Block No. 4.

The land to be received in exchange therefor to be located in the vicinity of the above described lot of land and to be of equal value thereto as may be determined by the Governor of the State, who, in said act was authorized to execute, under the seal of the State of California, the necessary deed of conveyance therefor and to receive from the City and County of San Francisco a like deed of conveyance of the land to be exchanged;

AND WHEREAS, The district above referred to in Section 10 of Chapter II of Article II of the Charter is that district within which is now being constructed the San Francisco Civic Center;

AND WHEREAS, Located within such district is a certain lot of land owned by the State of California and originally acquired for the purpose of the erection thereon of a building to house the offices of the State of California located within the City and County of San Francisco, which said lot of land is above described as belonging to the State of California;

AND WHEREAS, Said last above described lot of land is included within that portion of the Civic Center which is to be converted into a park;

AND WHEREAS, Adjoining the proposed San Francisco Civic Center, and in the vicinity of the above described lot of land and of equal value thereto, is a lot of land belonging to the City and County of San Francisco and described as follows:

Commencing at the northeasterly corner of McAllister and Polk street, running thence northerly along the easterly line of Polk street 120 feet to the southerly line of Redwood street (formerly Locust avenue); thence at a right angle easterly and along said southerly line of Redwood street 100 feet; thence at a right angle southerly and parallel with said easterly line of Polk street, 120 feet

to the northerly line of McAllister street, and thence at a right angle westerly and along said northerly line of McAllister street 100 feet and to the point of commencement; being a portion of Western Addition, Block No. 5.

AND WHEREAS, The last above described lot of land is a portion of a larger block bounded on the south by the northerly line of McAllister street, on the west by the easterly line of Polk street, on the north by the southerly line of Redwood street (formerly Locust avenue), and on the east by the westerly line of Larkin street; being a part of Western Addition, Block No. 5.

AND WHEREAS, It is the desire of this Board of Supervisors, in accordance with the above authorization of said Section 10 of Chapter II of Article II of the Charter, to exchange a lot of land now owned by the City and County of San Francisco with the State of California for the above described lot of land so owned by the State in order that the said State property may become avaialble for said park purposes within the Civic Center; and further, in order that the State may have a lot of equal value upon which to erect a State building in which shall be located the offices of the State government within the City and County of San Francisco;

AND WHEREAS, The above described lot of land now owned by the city, located on the northeast corner of Polk and McAllister streets and running along the easterly line of Polk street 120 feet northerly, and of a uniform depth of 100 feet, is of equal value to the above described lot of land so owned by the State;

AND WHEREAS, There has been submitted to the people of the State of California at the last session of the Legislature a proposed bond issue in the amount of $1,000,000 to be voted upon at the coming November election for the authorization of the issuance of bonds in the amount of $1,000,000 for the construction of a State building in San Francisco, in which shall be located the offices of the State which are in the City and County of San Francisco (Statutes of California, 1913, at page 920);

AND WHEREAS, In the event of the people of the State of California approving such bond issue, it is the desire of this Board of Supervisors to exchange with the State, for the above property so now owned by the State, the entire block of land above described now owned by the City, and bounded on the south by the northerly line of McAllister street; on the west by the easterly line of Polk street; on the north by the southerly line of Redwood street (formerly Locust avenue), and on the east by the westerly line of Larkin street.

NOW, THEREFORE, Be it Resolved, That the Mayor of this City and County be and he hereby is authorized, on behalf of the City and County, to duly execute and deliver to the State of California a deed, which deed shall be an immediate and absolute conveyance of that portion of the above lot described as commencing at the northeasterly corner of Polk and McAllister street; running thence northerly along the easterly line of Polk street 120 feet to the southerly line of Redwood street (formerly Locust avenue); thence at a right angle easterly and along said southerly line of Redwood street 100 feet; thence at a right angle southerly and parallel with said easterly line of Polk street 120 feet to the northerly line of McAllister street; and thence at a right angle westerly and along said northerly line of McAllister street 100 feet to the point of commencement; being a portion of Western Addition, Block No. 5, and to include in said deed a condition that in the event of the people of the State of California approving, at the coming election in November of this year, the above described bond issue in the amount of $1,000,000, that the remainder of said above described block of land now owned by the City and County of San Francisco shall also be and become absolutely the property of the State of California. That is, in the event of the people of the State of California so approving the above described bond issue at the coming election in November, then the above described entire block of land bounded on the south by the northerly line of McAllister street; on the west by the easterly line of Polk street; on the north by the southerly line of Redwood

street (formerly Locust avenue), and on the east by the westerly line of Larkin street; being a portion of Western Addition, Block No. 5, shall be and become absolutely the property of the State of California; Provided that the Mayor in exchange for said deed, shall receive from the Governor of the State of California, as so above authorized by act of the Legislature, a deed conveying to the City and County of San Francisco a fee simple absolute title to the block of land above described as now belonging to the State of California. And further provided, that in the event of any legal proceeding being had attacking the validity of the above bonds, that then, if on the final determination thereof, the said bond issue shall be held invalid, the remaining portion of the above block of land now owned by the city other than the lot located on the northeasterly corner of Polk and McAllister streets and running thence northerly along the easterly line of Polk street 120 feet, and of a uniform depth of 100 feet, shall not be considered as conveyed to the State of California; Provided, however, that immediately upon the exchange of the aforesaid deeds a fee simple title absolute in and to the above lot of land on the northeasterly corner of McAllister and Polk streets, running thence northerly along said easterly line of Polk street 120 feet and of a uniform depth of 100 feet, shall be considered as having been conveyed to the State of California by the City and County of San Francisco.

Finally Passed—Board of Supervisors, September 10, 1914.

BILL NO. 3367. ORDINANCE NO. 3553. (New Series.) AUTHORIZING THE MAYOR TO EXECUTE DEED TO THE STATE OF CALIFORNIA FOR CERTAIN CITY PROPERTY ADJACENT TO THE CIVIC CENTER IN EXCHANGE FOR PROPERTY OWNED BY THE STATE AND LOCATED WITHIN THE CIVIC CENTER.

Be it Ordained by the People of the City and County of San Francisco as follows:

Section 1. WHEREAS, In accordance with authorization given by Ordinance of this Board of Supervisors, No. 2894, New Series, regularly approved on the 15th day of September, 1914, the Mayor of this City and County did execute and deliver on behalf of the City and County of San Francisco a deed to the State of California of certain property adjacent to the Civic Center in exchange for property owned by the State and located within the Civic Center.

AND WHEREAS, There was submitted to the people of the State of California at the last general election in November, 1914, a proposed bond issue in the amount of $1,000,000 for the authorization of the issuance of bonds in said amount for the construction of a State building in San Francisco in which shall be located the offices of the State which are in the City and County of San Francisco (Statutes of California, 1913, at page 920).

AND WHEREAS, One of the conditions of the aforesaid deed to the State was that in the event of the people of the State approving the aforesaid bond issue that the City would convey to the State, in fee simple absolute, the property hereinafter described;

AND WHEREAS, The people of the State of California did, at said election in November, 1914, approve of said proposed bond issue;

NOW THEREFORE, Be it ordained, that the Mayor of this City and County be and he hereby is authorized, on behalf of the City and County to duly execute and deliver to the State of California a deed for that entire block of land located in the City and County of San Francisco, State of California, bounded on the south by the northerly line of McAllister street, on the west by the easterly line of Polk street, on the north by the southerly line of Redwood street (formerly Locust avenue) and on the east by the westerly line of Larkin street, being a portion of Western Addition Block No. 5; provided, however, that in the event of any legal procedings being had attacking the validity of the above bonds that then, if on the final determination thereof the said bond issue shall be held invalid,

that portion of the above described entire block, which portion is hereinafter set forth, shall not be considered as conveyed to the State of California; that is, that portion other than the lot located on the northeasterly corner of Polk and McAllister streets and running thence northerly along the easterly line of Polk street 120 feet and of a uniform depth of 120 feet.

Finally Passed—Board of Supervisors, San Francisco, December 27, 1915.

It was proposed that a million dollar State building be erected on this land, which has sufficient area to permit such a structure. The question of incurring a bonded indebtedness in the sum of one million dollars was submitted to the people of the State at an election held November, 1914, and was favorably passed. Competition and award of plans for the building is being supervised by the State officials.

POWER PLANT.

For the purpose of steam heating the City Hall and other public buildings within the Civic Center a substantial building has been erected at the northeast corner of Larkin and McAllister streets and equipped for the generation of steam for heating purpose.

The contract for constructing and equipping the plant were let by the Board of Public Works as follows:

Construction General—T. W. McClenahan.....$10,800.00
Installation of Boilers—Davis Rogers & Co..... 11,950.00

Approximately 2,400 feet of pipe has been laid through the Civic Center for transmitting steam heat, the contract was let to the Whittman Lyman Co. for the sum of $23,964.00. The grounds surrounding the building were transferred to the custody and care of the Park Commission by Resolution No. 12043 (N. S.).

FIRE ALARM STATION.

The Department of Electricity consisting of the General Fire Alarm and Police Telegraph system and machine shops were housed in a temporary building on city property within the Civic Center.

The removal of this building necessitated the placing of the department in permanent quarters. The advisability of obtaining a site and placing the Fire and Police Alarm System separate and away from surrounding buildings was consumated by the passage of the following Ordinance by the Board of Supervisors April 27, 1915:

BILL NO. 3009. ORDINANCE NO. 2732. (New Series.) SELECTING AND SETTING ASIDE IN THAT CERTAIN SQUARE OR PARK KNOWN AS JEFFERSON SQUARE, BOUNDED ON THE NORTH BY EDDY STREET, ON THE SOUTH BY GOLDEN GATE AVENUE, ON THE EAST BY GOUGH STREET AND ON THE WEST BY LAGUNA STREET, A SUITABLE AND CONVENIENT SITE UPON WHICH MAY BE ERECTED BY COMPETENT AUTHORITY A CENTRAL STATION FOR THE FIRE ALARM AND POLICE TELEGRAPH AND TELEPHONE SYSTEMS.

Be it Ordained by the People of the City and County of San Francicso as follows:

Section 1. There is hereby selected and set aside in that certain square or park known as Jefferson Square, bounded on the north by Eddy street, on the south by Golden Gate avenue, on the east by Gough street, and on the west by Laguna street, upon which may be erected by competent authority a central station for the Fire Alarm and Police Telegraph and Telephone Systems, the lot, piece or parcel of land more particularly described as follows, to-wit:

Commencing at a point on the southerly line of Turk street, distant thereon three hundred and twelve (312) feet and 6 (6) inches easterly from the easterly line of Laguna street; running thence at right angles southerly one hundred (100) feet; thence at right angles easterly one hundred (100) feet; thence at right angles northerly one hundred (100) feet to the said souhterly line of Turk street and thence at right angles westerly along said southerly line of Turk street one hundred (100) feet to the point of commencement.

Section 2. Said station, when erected, to be under the control and management of the Joint Commission of the Department of Electricity and said Joint Commission shall have power and authority, when said station is erected, to maintain across said square or park the necessary conduits, wires and lines leading to said station.

Section 3. This Ordinance shall take effect immediately.

A fire proof building has been erected on the above site in Jefferson Square under the following contracts:

General Construction—Clinton Fire Proofing Co.	$36,000.00
Switch Board—Butte Engineering and Electrical Co.	7,321.23
Motor Generator—Crocker, Wheeler Co.	695.50
Underground Conduit—J. H. O'Brien	3,115.50

Contracts were also let for installation, equipping, etc., of the building in detail bringing the Fire Alarm and Police Telegraph system for the city to a standard of modern perfection.

The machine shop, an integral part of the department of Electricity, was also removed from the Civic Center and installed in a newly constructed building on City property situate on the north line of Golden Gate avenue, between Hyde and Leavenworth streets, the contract was let to T. E. Davis and Son for the sum of $13,269.00.

PARKING, STREET-PAVING, SIDEWALKS, STATUARY, ETC.

The Panama-Pacific Exposition of 1915 being at hand, it was desirable that the Civic Center should offer a presentable appearance to our citizens and the many visitors coming to the city.

The Board of Supervisors directed that some of the work comprising the artistic features of the plaza, such as statuary, light standards, etc., be of a temporary nature as the time would not allow for permanent work of this character in time for the exposition.

The following Resolutions and Ordinances were accordingly passed by the Board of Supervisors:

Resolution No. 10876 (New Series).
Resolution No. 10877 (New Series).
Resolution No. 10878 (New Series).
Ordinance No. 2794 (New Series).
Ordinance No. 2795 (New Series).
Ordinance No. 2852 (New Series).

Complying with the provisions of the foregoing Resolutions and Ordinances the Board of Public Works awarded contracts as follows. Parking the Civic Center plaza, including the construction of a concrete cistern, fountains, lighting fixtures, installing statuary, railings, etc.:

General Construction—T. W. McClenahan	$54,860.00
Electric Work in Plaza—General Electric Construction Co.	1,529.00
Plumbing in Plaza—Whittman Lyman Co.	5,899.00

The planting of trees and shrubs was supervised by the Park Commission.

The area of the Civic Center Plaza, including sidewalks, is 5.36 acres, and excluding sidewalks, 4.44 acres.

The following Resolution was passed:

RESOLUTION NO. 12009. (New Series.)

WHEREAS, The Board of Public Works has advised that the Civic Center Plaza has been satisfactorily completed, and accepted by said Board of Public Works by its Resolution passed July 14, 1915, therefore be it

RESOLVED, That the said Civic Center Plaza bounded by Polk, McAllister, Larkin and Grove streets be and is hereby set aside and dedicated for park purposes, and the same is hereby transferred and assigned to the control and supervision of the Park Commission.

Adopted—Board of Supervisors, San Francisco, August 2, 1915.

The sum of $8,000 was made available for building of fences around vacant property and for the construction of sidewalks, etc., within the Civic Center.

All branches of the work, the extension of streets, paving, parking, etc., within the Civic Center is progressing to completion.

CENTRAL EMERGENCY HOSPITAL

The land situate at the southwest corner of Polk and Grove streets, extending through to Ash street, of dimensions 110 feet 9 inches by 137 feet 6 inches, in the Civic Center, was set aside for a Public Health Department building.

Preliminary to the erection of the main office building a unit was constructed for the accommodation of the Central Emergency Hospital at a cost of approximately $95,000.

The principal contracts were awarded on July 24, 1916, to Anderson and Ringrose, general construction, $78,140; December 6, 1916, to J. W. Burtchell, light fixtures, etc., $1,575; October 13, 1916, to Burnham Plumbing Co., sterilizers, etc., $3,575.

On Tuesday, March 6, 1917, at 2 p. m., the building was dedicated.

Mayor Rolph, Jr., addressed the assemblage and dwelt upon the nature of the service of the department to the public, and extolled the employees for faithful performance of duties. The Mayor was followed by Supervisors Ralph McLeran and Chas. A. Nelson, also Mr. A. Barendt, president of the Board of Health in short addresses. Music was rendered by the Municipal Band.

MISCELLANEOUS CONSTRUCTION AND IMPROVEMENTS IN THE CIVIC CENTER.

It became necessary to divert the street railroad service to outer streets surrounding the Civic Center, and the following Resolutions were passed by the Board of Supervisors:

RESOLUTION NO. 10573. (New Series.)

RESOLVED, That the Mayor be authorized on behalf of the City and County of San Francisco to execute a contract with the United Railroads of San Francisco, by the terms of which said United Railroads will agree to abandon its franchise to operate a street railway over and along Polk street, between Hayes street and Grove street; Grove street, between Polk street and Larkin street; and City Hall avenue, between Larkin street and McAllister street, and in lieu of said franchise abandoned and under the same terms and conditions, to operate a street railway from the intersection of Polk and Hayes streets, along Hayes street to Larkin

street; along Larkin street to McAllister street, and along McAllister street to Leavenworth street, with the right to make the necessary connections to enable the routing of cars from Polk street into Leavenworth street, the City to repay to the United Railroads the cost of installing the necessary connections which cost shall not exceed the estimate therefor made by said United Railroads on file in the office of the Clerk of the Board of Supervisors, the City at its expense to take up the tracks in the streets abandoned, the rails to be the property of the United Railroads. The work of installing the new connections to be completed within four months from the signing of the agreement and the abandonment of said franchise to be made within said time.

Finally Passed—Board of Supervisors, San Francisco, December 8, 1913.

RESOLUTION NO. 11329. (New Series.)

RESOLVED, That the Mayor be authorized on behalf of the City and County of San Francisco to execute a contract with the United Railroads of San Francisco, by the terms of which said United Railroads will agree to reconstruct its railroad tracks on McAllister street between Larkin street and Van Ness avenue and on Larkin street between McAllister and Grove streets, and to instal in these blocks center pole construction consisting of steel poles with cast iron ornamentations to be approved by the Consulting Architects of the Board of Public Works.

The sum of $12,000 is to be set aside and made available to repay to the United Railroads the cost of reconstructing the said tracks and of erecting the said poles, paving, etc., and shall not exceed the said sum, the same being the estimate of cost of the said Railroad Company and report of the City Engineer and on file in the office of the Clerk of the Board of Supervisors. The work of said reconstruction is to be done by the said Railroad Company and to be commenced and finished with the period of ———— from the date of signing the said agreement.

Adopted—Board of Supervisors, San Francisco, November 16, 1914.

The balustrade surrounding the Civic Center Plaza and the statuary erected around the fountains were only of a temporary character, to be replaced in the future by permanent works of art.

The temporary fixtures having fully served the purpose of embellishment during the Exposition year were ordered removed by Resolution of the Board of Supervisors. A contract was let for installing granite coping around the plaza and the work is now completed.

A contract was let to J. B. Rogers for sinking an artesian well under the sidewalk at Fulton street on the Van Ness avenue frontage of the City Hall for the sum of $1,400. The work is now completed. It is the intent to install an electric pump equipment at an approximate cost of $1,500. The well has a capacity of from 60 to 70 gallons of water per minute, and will be utilized for janitorial service and flushing the City Hall, as well as irrigating the plaza and grounds in the Civic Center. The proposed system will save the city a large expenditure in water service bills.

The ruins on the old City Hall site, as well as the old Hall of Records, were sold at public auction, and have been removed from the premises, making way for the extension of Hyde street through Marshall Square to Market street.

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